



Hazardous Building Materials Assessment (Pre-Construction)

Gym Renovations
Rosedale Elementary School
25 Erindale Avenue, Hamilton,
Ontario

Prepared for:

Hamilton-Wentworth District School Board

20 Education Court
Hamilton, Ontario, L9A 0B9

March 28, 2024

Pinchin File: 336572.005



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Author: Adam Lazette, B.Eng.
Project Technologist
613.449.0399
alazette@pinchin.com



Project Manager: Jessica Cozzitorto, C.Tech.
Team Leader
289.925.8543
jcozzitorto@pinchin.com



Reviewer: Damian Palus, C.E.T.
Operations Manager
905.929.8116
dpalus@pinchin.com



EXECUTIVE SUMMARY

Hamilton-Wentworth District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at Rosedale Elementary School located at 25 Erindale Avenue, Hamilton, Ontario. Pinchin performed the assessment on March 13, 2024.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation activities. The proposed work as identified by the Client includes planned renovations to the gymnasium and various locations throughout the building, as outlined in the document *“Environmental Consultant Services for Gymnasium Renovation Project Rosedale Elementary School”* prepared by Hamilton-Wentworth District School Board, dated March 8, 2024; Reference No. 2024-P01964.

The results of this assessment are intended for use with a properly developed scope of work or performance specifications and safe work procedures.

SUMMARY OF FINDINGS

The following is a summary of significant findings; refer to the body of the report for detailed findings:

Asbestos:

- Pipe insulation
- Transite ceiling and wall panels
- Vinyl floor tiles

Lead:

- Lead is present in paints and coatings.
- Batteries of emergency lights and alarm control panel contains solid lead.
- Caulking on cast iron pipe joints (bell and spigot) contains lead.

Silica: Crystalline silica is present in concrete and other materials such as masonry, drywall and ceiling tiles.

Mercury: Mercury vapour is present in lamp tubes.

Polychlorinated Biphenyls (PCBs): Based on the date of construction, PCBs may be present in light ballasts.

Mould and Water Damage: Visible mould and water damage was not observed.



SUMMARY OF RECOMMENDATIONS

The following is a summary of significant recommendations; refer to the body of the report for detailed recommendations.

1. Conduct further investigation of the following items, which was not completed during this assessment:
 - a. Any items listed as exclusions in this report, prior to disturbance.
2. Prepare a scope of work or specifications and safe work procedures for the hazardous materials removal required for the planned work.
3. Do not disturb suspected hazardous building materials discovered during the planned work, which have not been identified in this report and arrange for further evaluation and testing.
4. Remove and properly dispose of asbestos-containing materials prior to renovation activities.
5. Remove and properly dispose of PCB ballasts when fixtures are decommissioned. All PCB lamp ballasts must be removed from service and properly disposed of by December 31, 2025.
6. Recycle mercury-containing lamp tubes when removed from service.
7. Follow appropriate safe work procedures when handling or disturbing asbestos, lead and silica.

This Executive Summary is subject to the same standard limitations as contained in the report and must be read in conjunction with the entire report.



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1.0 INTRODUCTION AND SCOPE

Hamilton-Wentworth District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at Rosedale Elementary School located at 25 Erindale Avenue, Hamilton, Ontario.

Pinchin performed the assessment on March 13, 2024. The surveyor was unaccompanied during the assessment. The assessed area was unoccupied at the time of the assessment.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation activities. The proposed work as identified by the Client includes planned renovations to the gymnasium and various locations throughout the building, as outlined in the document *“Environmental Consultant Services for Gymnasium Renovation Project Rosedale Elementary School”* prepared by Hamilton-Wentworth District School Board, dated March 8, 2024; Reference No. 2024-P01964.

The results of this assessment are intended for use with a properly developed scope of work or performance specification.

1.1 Scope of Assessment

The **assessed area** is limited to the portion(s) of the building to be renovated, as described by the Client, and identified in the drawings in Appendix I.

The assessment was performed to establish the type of specified hazardous building materials, locations and approximate quantities incorporated in the structure(s) and its finishes.

For the purpose of the assessment and this report, hazardous building materials are defined as follows:

- Asbestos
- Lead
- Silica
- Mercury
- Polychlorinated Biphenyls (PCBs)
- Mould

The following Designated Substances are not typically found in building materials in a composition/state that is hazardous and were not included in this assessment:

- Arsenic
- Acrylonitrile



- Benzene
- Coke oven emissions
- Ethylene oxide
- Isocyanates
- Vinyl chloride monomer

2.0 METHODOLOGY

Pinchin conducted a room-by-room assessment to identify the hazardous building materials as defined in the scope.

The assessment included limited demolition of wall and ceiling finishes (drywall or plaster) to view concealed conditions at representative areas as permitted by the current building use. Limited destructive testing of flooring was conducted where possible (under ceramic tiles, carpets, or multiple layers of flooring). Demolition of exterior building finishes, masonry walls (chases, shafts etc.), and structural surrounds was not conducted.

Limited demolition of concrete block walls (core holes) was conducted to investigate for loose fill vermiculite insulation. Sampling of roofing materials was conducted.

For further details on the methodology including test methods, refer to Appendix III.

3.0 BACKGROUND INFORMATION

3.1 Building Description

Description Item	Details
Use	Elementary School
Number of Floors	1 storey
Total Area (Assessed Area)	12,400
Year of Construction	1953
Structure	Structural Steel and concrete
Exterior Cladding	Brick
HVAC	Mechanical room and rooftop air handling units
Roof	Built-up roofing
Flooring (Assessed Area)	Viny floor tiles, terrazzo and concrete
Interior Walls (Assessed Area)	Drywall, Transite panels and concrete block



Description Item	Details
Ceilings (Assessed Area)	Transite panels, acoustic ceiling tiles and exposed steel deck

3.2 Existing Reports

Pinchin was provided with the following reports, which have been reviewed as part of this assessment:

- *“Hazardous Building Materials Assessment, Ventilation Upgrade Project, Rosedale Elementary School, 25 Erindale Avenue, Hamilton, Ontario”* prepared by Pinchin Ltd., dated May 26, 2021; Pinchin File; 286531.012.
- *“Rosedale School Asbestos Inventory”* prepared by Hamilton-Wentworth District School Board Regulated Substance Team, dated November 2023.

4.0 FINDINGS

The following section summarizes the findings of the assessment and provides a general description of the hazardous building materials identified. For details on approximate quantities, condition, friability, accessibility, and locations of hazardous building materials; refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI.

Any quantities listed in this report or data tables are estimated based on visual approximations only and are subject to variation.

4.1 Asbestos

4.1.1 Pipe Insulation

Parging cement, containing asbestos, is present on two pipe fittings (elbows) in the Stage (Location 8324) (samples S0031A-C, photo 1).

A white corrugated paper insulation (trade name Aircell), containing asbestos, is present on straight sections of pipes in the Stage (samples S0032A-C, photo 2).

Remaining pipes in the assessed area are either uninsulated or insulated with non-asbestos fibreglass or other non-asbestos insulation such as mineral fibre or elastomeric foam insulation.

Pipes insulated with asbestos-containing insulations may be present in inaccessible spaces such as above solid ceilings, in chases, in column enclosures and within shafts.



Photo 1



Photo 2

4.1.2 *Duct Insulation and Mastic*

Ducts are either uninsulated or insulated with non-asbestos fibreglass (foil-faced or canvas jacketing) (photo 1).

Duct mastic present on seams / joints on ducts on the roof top units does not contain asbestos based on the date of installation (2017).



Photo 1

4.1.3 *Mechanical Equipment Insulation*

Mechanical equipment (, e.g., furnace and hot water tanks) is either uninsulated or insulated with non-asbestos fibreglass (photo 1).



Photo 1


4.1.4 Vermiculite

Destructive testing was conducted of a representative selection of concrete block walls, including creating penetrations at various locations throughout the building.

Loose fill vermiculite was not observed within the cavities.

4.1.5 Acoustic Ceiling Tiles

The following is a summary of acoustic ceiling tiles sampled, for a complete list of locations, refer to Appendix V.

Description	Sample Location	Sample Number or Date Code	Asbestos	Photo
2'x4', lay-in ceiling tiles, irregular pinholes and small fissures	N/A	08/15/17	No	

Ceiling tiles are presumed to be non-asbestos based on the date of manufacture determined from the date stamp applied to the top of the tiles. The tiles were manufactured after asbestos stopped being used in acoustic ceiling tiles.

4.1.6 Drywall Joint Compound

Asbestos in drywall joint compound was banned in Canada in 1980. Drywall joint compound in the assessed area was installed on or after 2020 and is presumed to contain no asbestos (photo 1).



Photo 1

4.1.7 Asbestos Cement Products

Cement board panels (24" x 48") with pinholes (e.g. Transite), containing asbestos, is present throughout the assessed area (samples S0036A-C, photo 1).

Cement board panels (24" x 48") with a smooth surface (e.g. Transite), containing asbestos, is present throughout the assessed area (samples S0037A-C, photo 2).

Cement board panels (24" x 48") with a smooth surface (e.g. Transite), containing asbestos, is present on wall panels throughout the assessed area (samples S0037A-C, photo 3).



Photo 1




Photo 2




Photo 3

4.1.8 Vinyl Floor Tiles, Baseboard, and Stair Flooring

The following is a summary of vinyl floor tiles sampled, for a complete list of locations, refer to Appendix V

Description	Sample Location (Location #)	Sample Number	Asbestos (Tile / Adhesive)	Photo
12"x12", grey with black streaks	Stage (Location 8324) Gym (Location 8325)	S0030A-C	Yes / No	
12"x12", various colours	N/A	V0000	No*	

Description	Sample Location (Location #)	Sample Number	Asbestos (Tile / Adhesive)	Photo
Clear mastic on black rubber baseboards	N/A	V0000	No*	

*Vinyl floor tiles were presumed to be non-asbestos based on historical knowledge of the date of installation (2020).

4.1.9 Levelling Compound

The beige levelling compound associated with the asbestos-containing 12"x12", grey with black streaks, vinyl floor tiles does not contain asbestos (samples S0030A-C; phase c, photo 1).



Photo 1

4.1.10 Sealants, Caulking, and Putty

The following is a summary of sealants, caulking, and putties sampled, for a complete list of locations, refer to Appendix V.

Material, Description and Application	Sample Location (Location #)	Sample Number	Asbestos	Photo
Grey caulking on interior windows	Gym (Location 8325) Boys Washroom (Location 8326) Office (Location 8327)	S0035A-C	No	 A photograph showing the interior corner of a window frame. A yellow arrow points to a grey, textured caulking material applied to the joint between the window frame and the wall.
Grey caulking on exterior windows	Exterior (Location 0)	S0038A-C	No	 A photograph showing the exterior corner of a window frame. A yellow arrow points to a grey, textured caulking material applied to the joint between the window frame and the exterior wall.

4.1.11 Roofing Products

The roofing materials associated with the built-up roof throughout the assessed area does not contain asbestos (previous samples 0021A-C, 0022A-C and 0023A-C; lab report reference b167045).

The tar paper under siding associated with the built-up roofing does not contain asbestos (previous samples 0001A-C; lab report reference b167045).

4.1.12 Paper, Textile and Board Products

Textile vibration dampers present on the heating fan units do not contain asbestos (previous samples S0004A-C; lab reference 71965696_PLM).

4.1.13 Other Building Materials

The following is a summary of other materials sampled, for a complete list of locations, refer to Appendix V.

Description	Sample Location (Location #)	Sample Number	Asbestos	Photo
Paint on concrete block walls	Stage (Location 8324) Gym (Location 8325) Vestibule (Location 8328) Girls Washroom (Location 8330) Mechanical Room (Location 8354) Custodial Room (Location 8358) Corridor (Location 8362)	S0033A-G and previous samples S0005A-D; lab reference 71965696_PLM	No	
Beige terrazzo flooring	Corridor (Location 8323) Boys Washroom (Location 8326) Vestibule (Location 8328)	S0034A-C	No	
Thinset under ceramic tiles	N/A	N/A	No*	

*Materials identified were determined to be non-asbestos based on the manufacture date (post-2018) and known end of use of asbestos in these products. The ceramic tiles are not anticipated to be disturbed by the planned renovations.

4.1.14 Excluded Materials

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

- Electrical components

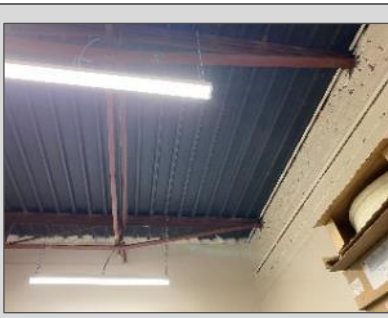
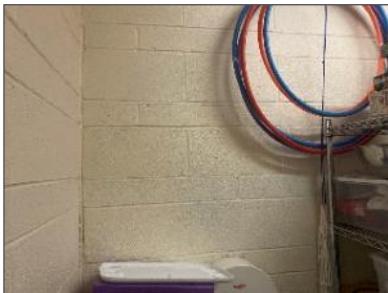
- Mechanical packing, ropes, and gaskets
- Vermiculite
- Fire resistant doors
- Ropes and gaskets in cast-iron bell and spigot joints
- Sealants on pipe threads
- Inaccessible/concealed materials
- Materials outside of the assessed area


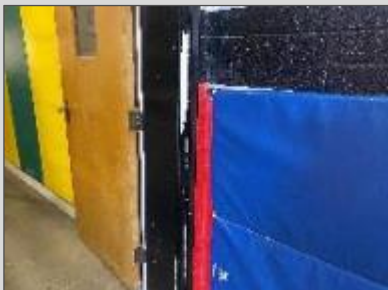

4.2 Lead



4.2.1 Paints and Surface Coatings

Refer to the lab report(s) in Appendix II-B and the Hazardous Material Summary / Sample Log in Appendix V for details on paints sampled and their locations.

The following table summarizes the analytical results of paints sampled.

Sample Number	Colour, Substrate Description	Sample Location	Lead (%)	Photo
L0001; lab reference 71965710_PBP	Yellow on gas line	Roof (Location 1)	<0.0062	
L0005; lab reference 71965710_PBP	Red on structural steel	Gym (Location 8325)	5.3	
L0010	White on concrete block walls	Gym (Location 8325)	0.034	

Sample Number	Colour, Substrate Description	Sample Location	Lead (%)	Photo
L0011	Red on concrete block walls	Gym (Location 8325)	0.039	
L0012	Black on concrete block walls	Gym (Location 8325)	0.039	
L0013	Black/white on metal trim	Stage (Location 8324)	<0.50	
L0014	White on metal rails	Stage (Location 8324)	0.24	

Sample Number	Colour, Substrate Description	Sample Location	Lead (%)	Photo
L0015	Grey on concrete floor	Mechanical Room (Location 8354)	1.3	
L0016	Beige/white on drywall ceilings/walls	Corridor (Location 8361)	<0.00023	

Results above 0.1% (1,000 mg/kg) are considered lead-containing, and over 0.5% (5,000 mg/kg) are considered lead-based.

Results less than or equal to 0.1% (1,000 mg/kg), but equal to or greater than 0.009% (90 mg/kg), are considered low-level lead paints or surface coatings in accordance with the EACC guideline.

Paints containing lead less than 0.009% (90 mg/kg) is assumed to be insignificant.

4.2.2 Lead Products and Applications

Lead-containing batteries are present in emergency lighting (photo 1) and fire control panels (photo 2).

Lead caulking is present in bell and spigot fittings on cast iron pipes.



Photo 1



Photo 2

4.2.3 Excluded Lead Materials

Lead is known to be present in several materials which were not assessed or sampled. The following materials, where found, should be presumed to contain lead.

- Electrical components, including wiring connectors, grounding conductors, and solder
- Solder on pipe connections
- Glazing on ceramic tiles

4.3 Silica

Crystalline silica is assumed to be a component of the following materials where present in the building.

- Concrete
- Masonry and mortar
- Drywall
- Ceiling tiles

4.4 Mercury

4.4.1 Lamps

Mercury vapour is present in fluorescent lamp tubes.

4.4.2 Mercury-Containing Devices

Mercury is present as a liquid in thermostats ampules (photo 1).





Photo 1

4.5 Polychlorinated Biphenyls

4.5.1 Caulking and Sealants

Refer to the Hazardous Material Summary / Sample Log in Appendix V for details on caulking sampled and their locations.

The following table presents a summary of caulking sampled:

Material, Colour, Application	Sample Location (Location #)	Sample Number	PCB (mg/kg)	Photo
Grey caulking on interior windows	Gym (Location 8325)	P0005	<0.2	
Grey caulking on exterior windows	Exterior (Location 0)	P0006	<0.2	

The material is a non-PCB solid based on the threshold (50 mg/kg).

4.5.2 Lighting Ballasts

Based on the date of construction, PCBs may be present in light ballasts.

4.5.3 Transformers

All transformers in the building are dry type transformers and do not contain PCB-containing dielectric fluids; however, may contain capacitors, which could not be assessed for PCBs as the equipment was in service (photo 1).



Photo 1

4.5.4 Excluded PCB Materials

PCBs are known to be present in several materials and equipment which were not assessed or sampled. The following materials, where found, should be presumed to contain PCBs until sampling proves otherwise.

- Capacitors within or associated with electrical equipment
- Voltage regulators and capacitors

4.6 Mould and Water Damage

Visible mould growth and water damage was not found during the assessment.

5.0 RECOMMENDATIONS

5.1 General

1. Prepare scope of work or performance specifications for hazardous material removal required for the planned work. The specifications should include safe work practices, personal protective equipment, respiratory protection, and disposal of waste materials.



2. If suspected hazardous building materials are discovered during the planned work, which are not identified in this report, do not disturb, and arrange for further testing and evaluation.
3. Conduct further investigation of the following items, areas, or locations, which were not completed during this assessment:
 - a. Any items listed as exclusions in this report, prior to disturbance.
4. Provide this report and the detailed plans and specifications to the contractor prior to bidding or commencing work.
5. Retain a qualified consultant to specify, observe and document the successful removal of hazardous materials.
6. Update the asbestos inventory upon completion of the abatement and removal of asbestos-containing materials and any other relevant findings.

5.2 Building Renovation Work

The following recommendations are made regarding renovation involving the hazardous materials identified.

5.2.1 Asbestos

Remove asbestos-containing materials (ACM) prior to renovation, alteration, or maintenance if ACM may be disturbed by the work. If the identified ACM will not be removed prior to commencement of the work, any potential disturbance of ACM must follow asbestos precautions appropriate for the type of work being performed.

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

5.2.2 Lead

For lead-containing or lead-based paints (i.e., greater than the EACC guideline of 0.1% (1,000 mg/kg) for lead-containing paints, and 0.5% (5,000 mg/kg) for lead-based), construction disturbance may result in over-exposure to lead dust or fumes. The need for work procedures, engineering controls and personal protective equipment should be assessed on a site-specific basis to comply with Ministry of Labour, Training and Skills Development regulations and guidelines.

For paints identified as having low levels of lead (i.e., equal to or above 0.009% (90 mg/kg) but less than or equal to the EACC guideline of 0.1% (1,000 mg/kg) for lead-containing paints) special precautions are not recommended unless aggressive disturbance (grinding, blasting, torching) is planned. Exposure from construction disturbance of paints containing lead less than 0.009% (90 mg/kg) is assumed to be insignificant.



Lead-containing items should be recycled when taken out of service.

5.2.3 *Silica*

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

5.2.4 *Mercury*

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

5.2.5 *PCBs*

As light fixtures are removed from service, examine light ballasts for PCB content. If ballasts are not clearly labelled as “non-PCB” or are suspected to contain PCBs, package, and ship ballasts for destruction at a federally permitted facility. As per the PCB Regulation (SOR/2008-273), all PCB light ballasts must be removed from service and properly disposed of by December 31, 2025.

6.0 **TERMS AND LIMITATIONS**

This work was performed subject to the Terms and Limitations presented or referenced in the proposal for this project.

Information provided by Pinchin is intended for Client use only. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law. Any use by a third party of reports or documents authored by Pinchin or any reliance by a third party on or decisions made by a third party based on the findings described in said documents, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted. No other warranties are implied or expressed.

7.0 **REFERENCES**

The following legislation and documents were referenced in completing the assessment and this report:

1. Asbestos on Construction Projects and in Buildings and Repair Operations, Ontario Regulation 278/05.
2. Designated Substances, Ontario Regulation 490/09.
3. Lead on Construction Projects, Ministry of Labour Guidance Document.

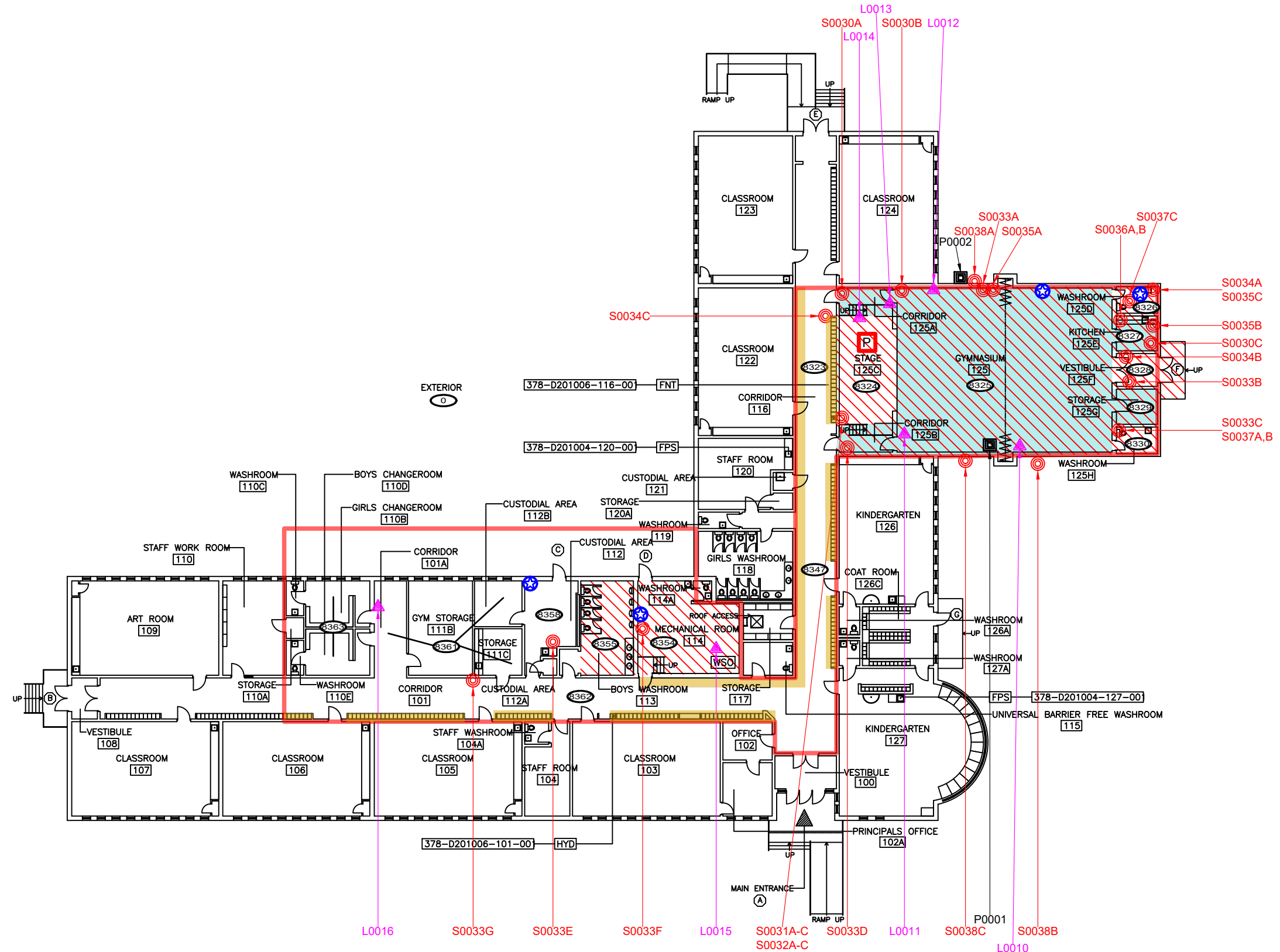


4. The Environmental Abatement Council of Canada (EACC) Lead Guideline for Construction, Renovation, Maintenance or Repair.
5. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 347 as amended.
6. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 362 as amended.
7. Silica on Construction Projects, Ministry of Labour Guidance Document.
8. Alert – Mould in Workplace Buildings, Ontario Ministry of Labour.
9. PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.
10. Surface Coating Materials Regulations, SOR/2016-193, Canada Consumer Product Safety Act.

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Template: Master Report for Hazardous Materials Assessment (Pre-Construction), HAZ, January 24, 2024

APPENDIX I
Drawings



- LEGEND**
- (X) PINCHIN LOCATION NUMBER
 - ⊙ ASBESTOS BULK SAMPLE
 - ▲ LEAD BULK SAMPLE
 - ⊠ PCB BULK SAMPLE
 - SURVEY BOUNDARY/ASSESSED AREA
 - ⊙ INTRUSIVE INSPECTION
 - ASBESTOS-CONTAINING MATERIALS:
 - ⊠ THERMAL INSULATION
 - ▨ CEMENT PRODUCT (TRANSITE) CEILING PANELS
 - VINYL FLOOR TILES
 - CEMENT PRODUCT (TRANSITE) WALL PANELS

NOT ALL KNOWN OR SUSPECTED HAZARDOUS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

BASE PLAN PROVIDED BY CLIENT.



PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT

CLIENT NAME:
HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD











PROJECT LOCATION:
**25 ERINDALE AVENUE,
HAMILTON, ONTARIO
ROSDALE ES**

FIGURE NAME:
GROUND FLOOR

PROJECT NUMBER: 336572.005	SCALE: NOT TO SCALE
DRAWN BY: TK	REVIEWED BY: AL
DATE: MARCH 2024	FIGURE NUMBER: 1 OF 2



LEGEND

-  PINCHIN LOCATION NUMBER
-  ASBESTOS BULK SAMPLE
-  LEAD BULK SAMPLE
-  PCB BULK SAMPLE
-  SURVEY BOUNDARY/ASSESSED AREA
-  INTRUSIVE INSPECTION
- ASBESTOS-CONTAINING MATERIALS:
-  THERMAL INSULATION
-  CEMENT PRODUCT (TRANSITE) CEILING PANELS
-  VINYL FLOOR TILES
-  CEMENT PRODUCT (TRANSITE) WALL PANELS

NOT ALL KNOWN OR SUSPECTED HAZARDOUS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

BASE PLAN PROVIDED BY CLIENT.



PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT

CLIENT NAME:
HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

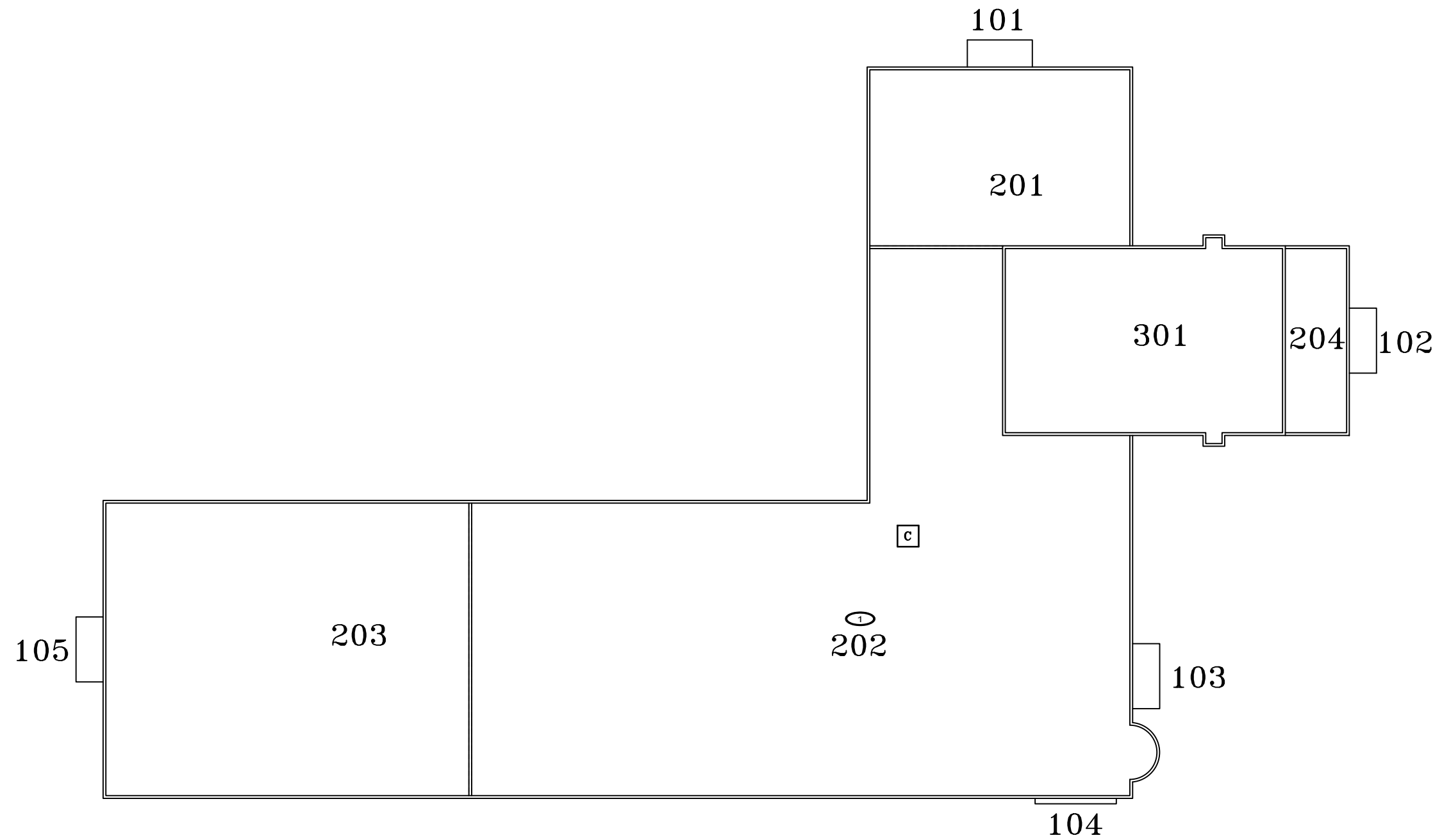
PROJECT LOCATION:
25 ERINDALE AVENUE,
HAMILTON, ONTARIO
ROSEDALE ES

FIGURE NAME:
ROOF

PROJECT NUMBER: 336572.005 SCALE: NOT TO SCALE

DRAWN BY: TK REVIEWED BY: AL

DATE: MARCH 2024 FIGURE NUMBER: 2 OF 2



APPENDIX II-A
Asbestos Analytical Certificates



Your Project #: 336572.005
 Site Location: 25 ERINDALE AVE
 Your C.O.C. #: n/a

Attention: Jessica Cozzitorto

Pinchin Ltd
 151 York Boulevard
 Suite 200
 Hamilton, ON
 CANADA L8R 3M2

Report Date: 2024/03/26
 Report #: R8082040
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C480109

Received: 2024/03/18, 09:31

Sample Matrix: Solid
 # Samples Received: 31

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Asbestos by PLM - 0.5 RDL (1)	31	N/A	2024/03/26	COR3SOP-00002	EPA 600R-93/116

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

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Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

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Bureau Veritas' Asbestos Laboratory is accredited by NVLAP for bulk asbestos analysis by polarized light microscopy, NVLAP Code 600136-0.

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Bureau Veritas' scope of accreditation includes EPA -- 40 CFR Appendix E to Subpart E of Part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and EPA-600/R-93/116: "Method for the Determination of Asbestos in Bulk Building Materials".

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) P.O.B. - Percent of Bulk



Your Project #: 336572.005
Site Location: 25 ERINDALE AVE
Your C.O.C. #: n/a

Attention: Jessica Cozzitorto

Pinchin Ltd
151 York Boulevard
Suite 200
Hamilton, ON
CANADA L8R 3M2

Report Date: 2024/03/26
Report #: R8082040
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C480109

Received: 2024/03/18, 09:31

When Asbestos data is reported with other data, this report contains data that are not covered by the NVLAP accreditation.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:

Nilushi Mahathantila, Project Manager
Email: Nilushi.Mahathantila@bureauveritas.com
Phone# (905) 817-5700

=====

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Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0030A FLOOR, ALL, VINYL FLOOR TILE AND MASTIC, 12" X 12" GREY WITH BLACK STREAKS (ANALYZE MASTIC AS WELL), LOC:8324, STAGE					
Bureau Veritas ID: YQR299		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	92	Homogeneous grey vinyl floor tile	Chrysotile 4%		Non-Fibrous
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous
Layer 3	3	Homogeneous beige cementitious material	Not Detected		Non-Fibrous

S0030B FLOOR, ALL, VINYL FLOOR TILE AND MASTIC, 12" X 12" GREY WITH BLACK STREAKS (ANALYZE MASTIC AS WELL), LOC:8325, GYM					
Bureau Veritas ID: YQR300		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	92	Homogeneous grey vinyl floor tile	N/A		
		Comment: Not Analyzed - Positive Stop			
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous
Layer 3	3	Homogeneous beige cementitious material	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



BUREAU VERITAS

Bureau Veritas Job #: C480109
Report Date: 2024/03/26

Pinchin Ltd
Client Project #: 336572.005
Site Location: 25 ERINDALE AVE
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0030C FLOOR,ALL,VINYL FLOOR TILE AND MASTIC,12" X 12" GREY WITH BLACK STREAKS (ANALYZE MASTIC AS WELL),LOC:8327,OFFICE					
Bureau Veritas ID: YQR301		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	92	Homogeneous grey vinyl floor tile	N/A		
	Comment: Not Analyzed - Positive Stop				
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous
Layer 3	3	Homogeneous beige cementitious material	Not Detected		Non-Fibrous

S0031A PIPING,ALL,PARGING CEMENT,ELBOW FITTING,LOC:8324,STAGE					
Bureau Veritas ID: YQR302		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Non-homogeneous off-white parging cement	Chrysotile 40%	Synthetic fibres 10%	Non-Fibrous

S0031B PIPING,ALL,PARGING CEMENT,ELBOW FITTING,LOC:8324,STAGE					
Bureau Veritas ID: YQR303		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
	Comment: Not Analyzed - Positive Stop				

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



BUREAU VERITAS

Bureau Veritas Job #: C480109
Report Date: 2024/03/26

Pinchin Ltd
Client Project #: 336572.005
Site Location: 25 ERINDALE AVE
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0031C PIPING,ALL,PARGING CEMENT,ELBOW FITTING,LOC:8324,STAGE						
Bureau Veritas ID: YQR304		Date Analyzed: 2024/03/26				
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>		<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A			
Comment: Not Analyzed - Positive Stop						

S0032A PIPING,ALL,AIRCELL,LOC:8324,STAGE						
Bureau Veritas ID: YQR305		Date Analyzed: 2024/03/26				
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>		<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous off-white layered paper	Chrysotile	45%	Cellulose 25%	Non-Fibrous

S0032B PIPING,ALL,AIRCELL,LOC:8324,STAGE						
Bureau Veritas ID: YQR306		Date Analyzed: 2024/03/26				
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>		<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A			
Comment: Not Analyzed - Positive Stop						

S0032C PIPING,ALL,AIRCELL,LOC:8324,STAGE						
Bureau Veritas ID: YQR307		Date Analyzed: 2024/03/26				
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>		<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A			
Comment: Not Analyzed - Positive Stop						

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



Bureau Veritas Job #: C480109
 Report Date: 2024/03/26

Pinchin Ltd
 Client Project #: 336572.005
 Site Location: 25 ERINDALE AVE
 Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0033A WALL,ALL,PAINT,ON CONCRETE BLOCK,LOC:8325,GYM					
Bureau Veritas ID: YQR308		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous red/green/light grey paint/cementitious material	Not Detected		Non-Fibrous

S0033B WALL,ALL,PAINT,ON CONCRETE BLOCK,LOC:8328,VESTIBULE					
Bureau Veritas ID: YQR309		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous white/green/light grey paint/cementitious material	Not Detected		Non-Fibrous

S0033C WALL,ALL,PAINT,ON CONCRETE BLOCK,LOC:8330,GIRLS WASHROOM					
Bureau Veritas ID: YQR310		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	50	Non-homogeneous white/grey paint	Not Detected		Non-Fibrous
Layer 2	50	Homogeneous grey cementitious material	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
 Date Format : yyyy/mm/dd



Bureau Veritas Job #: C480109
 Report Date: 2024/03/26

Pinchin Ltd
 Client Project #: 336572.005
 Site Location: 25 ERINDALE AVE
 Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0033D WALL,ALL,PAINT,ON CONCRETE BLOCK,LOC:8324,STAGE					
Bureau Veritas ID: YQR311		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	50	Non-homogeneous white/grey paint	Not Detected		Non-Fibrous
Layer 2	50	Homogeneous grey cementitious material	Not Detected		Non-Fibrous

S0033E WALL,ALL,PAINT,ON CONCRETE BLOCK,LOC:8358,CUSTODIAL ROOM					
Bureau Veritas ID: YQR312		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	50	Non-homogeneous white/grey paint	Not Detected		Non-Fibrous
Layer 2	50	Homogeneous grey cementitious material	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
 Date Format : yyyy/mm/dd



BUREAU VERITAS

Bureau Veritas Job #: C480109
Report Date: 2024/03/26

Pinchin Ltd
Client Project #: 336572.005
Site Location: 25 ERINDALE AVE
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0033F WALL,ALL,PAINT,ON CONCRETE BLOCK,LOC:8354,MECHANICAL ROOM					
Bureau Veritas ID: YQR313		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous white/grey paint/cementitious material	Not Detected		Non-Fibrous

S0033G WALL,ALL,PAINT,ON CONCRETE BLOCK,LOC:8362,CORRIDOR					
Bureau Veritas ID: YQR314		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous white/grey paint/cementitious material	Not Detected		Non-Fibrous

S0034A FLOOR,ALL,TERRAZZO,BEIGE,LOC:8326,BOYS WASHROOM					
Bureau Veritas ID: YQR315		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous green terrazzo flooring	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



BUREAU VERITAS

Bureau Veritas Job #: C480109
Report Date: 2024/03/26

Pinchin Ltd
Client Project #: 336572.005
Site Location: 25 ERINDALE AVE
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0034B					
FLOOR,ALL,TERRAZZO,BEIGE,LOC:8328,VESTIBULE					
Bureau Veritas ID: YQR316		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous green terrazzo flooring	Not Detected		Non-Fibrous

S0034C					
FLOOR,ALL,TERRAZZO,BEIGE,LOC:8323,CORRIDOR					
Bureau Veritas ID: YQR317		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous green terrazzo flooring	Not Detected		Non-Fibrous

S0035A WALL,WINDOW,CAULKING,GREY ON INTERIOR,LOC:8325,GYM					
Bureau Veritas ID: YQR318		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



BUREAU VERITAS

Bureau Veritas Job #: C480109
Report Date: 2024/03/26

Pinchin Ltd
Client Project #: 336572.005
Site Location: 25 ERINDALE AVE
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0035B WALL,WINDOW,CAULKING,GREY ON INTERIOR,LOC:8327,OFFICE					
Bureau Veritas ID: YQR319		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

S0035C WALL,WINDOW,CAULKING,GREY ON INTERIOR,LOC:8326,BOYS WASHROOM					
Bureau Veritas ID: YQR320		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

S0036A CEILING,ALL,CEMENT PRODUCT,TRANSITE 24" X 24" PINHOLES,LOC:8327,OFFICE					
Bureau Veritas ID: YQR321		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey Transite	Chrysotile 12%		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



BUREAU VERITAS

Bureau Veritas Job #: C480109
Report Date: 2024/03/26

Pinchin Ltd
Client Project #: 336572.005
Site Location: 25 ERINDALE AVE
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0036B CEILING,ALL,CEMENT PRODUCT,TRANSITE 24" X 24" PINHOLES,LOC:8327,OFFICE					
Bureau Veritas ID: YQR322		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

S0036C CEILING,ALL,CEMENT PRODUCT,TRANSITE 24" X 24" PINHOLES,LOC:8329,EQUIPMENT					
Bureau Veritas ID: YQR323		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

S0037A CEILING,ALL,CEMENT PRODUCT,TRANSITE 24" X 24" SMOOTH,LOC:8330,GIRLS WASHROOM					
Bureau Veritas ID: YQR324		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey Transite	Chrysotile 15%		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



BUREAU VERITAS

Bureau Veritas Job #: C480109
Report Date: 2024/03/26

Pinchin Ltd
Client Project #: 336572.005
Site Location: 25 ERINDALE AVE
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0037B CEILING,ALL,CEMENT PRODUCT,TRANSITE 24" X 24" SMOOTH,LOC:8330,GIRLS WASHROOM					
Bureau Veritas ID: YQR325		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

S0037C CEILING,ALL,CEMENT PRODUCT,TRANSITE 24" X 24" SMOOTH,LOC:8326,BOYS WASHROOM					
Bureau Veritas ID: YQR326		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1			N/A		
Comment: Not Analyzed - Positive Stop					

S0038A WALL,ALL,CAUKLING,GREY ON EXTERIOR,LOC:0,EXTERIOR					
Bureau Veritas ID: YQR327		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



BUREAU
VERITAS

Bureau Veritas Job #: C480109
Report Date: 2024/03/26

Pinchin Ltd
Client Project #: 336572.005
Site Location: 25 ERINDALE AVE
Sampler Initials: AL

Asbestos Analytical Results

EPA/600R-93/116 by Polarized Light Microscopy

S0038B WALL,ALL,CAUKLING,GREY ON EXTERIOR,LOC:0,EXTERIOR					
Bureau Veritas ID: YQR328		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

S0038C WALL,ALL,CAUKLING,GREY ON EXTERIOR,LOC:0,EXTERIOR					
Bureau Veritas ID: YQR329		Date Analyzed: 2024/03/26			
	<u>P.O.B</u>	<u>Sample Morphology</u>	<u>Asbestos</u>	<u>Other Fibres</u>	<u>Particulate</u>
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

The limit of quantitation is 0.50%, although asbestos may be qualitatively detected at concentrations less than 0.50%. Samples for which asbestos is detected at <0.50% are reported as trace, "<0.50%". "Not Detected" indicates that no asbestos fibres were observed.

Calibrated Visual Estimate (%)
Date Format : yyyy/mm/dd



BUREAU
VERITAS

Bureau Veritas Job #: C480109
Report Date: 2024/03/26

Pinchin Ltd
Client Project #: 336572.005
Site Location: 25 ERINDALE AVE
Sampler Initials: AL

GENERAL COMMENTS

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C480109
Report Date: 2024/03/26

Pinchin Ltd
Client Project #: 336572.005
Site Location: 25 ERINDALE AVE
Sampler Initials: AL

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Dina Yousif, Analyst 2

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18-Mar-24 09:31

Nilushi Mahathantila
C480109

AN4 ENV-777

**Pinchin Ltd. - Asbestos Laboratory
Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	HWDSB	Project Address:	25 Erindale Ave
Portfolio/Building No:		Pinchin File:	336572.005
Submitted by:	Adam Lazette	Email:	alazette@pinchin.com
CC Results to:	Jessica Cozzitorto	CC Email:	jcozzitorto@pinchin.com
Date Submitted:	March 14 2024	Required by:	March 21 2024
# of Samples:	31	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory, Years ONLY):	1953		
Do NOT Stop on Positive (Sample Numbers):	S0033A-G		
Pinchin Group Company (Mandatory Field):	Pinchin		
HMIS2 Building Reference #:	131430/202421146639148		

To be Completed by Lab Personnel Only:			
Lab Reference #:		Time:	24 hour clock
Received by:	MAR 15 2024	Date:	Month Day Year
Name(s) of Analyst(s):			

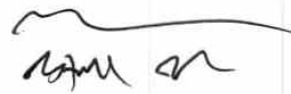
Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0030	A	Floor,All,Vinyl Floor Tile And Mastic,12" X 12" Grey With Black Streaks (Analyze Mastic As Well),Loc:8324,Stage
S	0030	B	Floor,All,Vinyl Floor Tile And Mastic,12" X 12" Grey With Black Streaks (Analyze Mastic As Well),Loc:8325,Gym
S	0030	C	Floor,All,Vinyl Floor Tile And Mastic,12" X 12" Grey With Black Streaks (Analyze Mastic As Well),Loc:8327,Office
S	0031	A	Piping,All,Parging Cement,Elbow Fitting,Loc:8324,Stage
S	0031	B	Piping,All,Parging Cement,Elbow Fitting,Loc:8324,Stage
S	0031	C	Piping,All,Parging Cement,Elbow Fitting,Loc:8324,Stage
S	0032	A	Piping,All,Aircell,Loc:8324,Stage
S	0032	B	Piping,All,Aircell,Loc:8324,Stage

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 03/18 09:31 Page 1 of 3

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0032	C	Piping,All,Aircell,Loc:8324,Stage
S	0033	A	Wall,All,Paint,On Concrete Block,Loc:8325,Gym
S	0033	B	Wall,All,Paint,On Concrete Block,Loc:8328,Vestibule
S	0033	C	Wall,All,Paint,On Concrete Block,Loc:8330,Girls Washroom
S	0033	D	Wall,All,Paint,On Concrete Block,Loc:8324,Stage
S	0033	E	Wall,All,Paint,On Concrete Block,Loc:8358,Custodial Room
S	0033	F	Wall,All,Paint,On Concrete Block,Loc:8354,Mechanical Room
S	0033	G	Wall,All,Paint,On Concrete Block,Loc:8362,Corridor
S	0034	A	Floor,All,Terrazzo,Beige,Loc:8326,Boys Washroom
S	0034	B	Floor,All,Terrazzo,Beige,Loc:8328,Vestibule
S	0034	C	Floor,All,Terrazzo,Beige,Loc:8323,Corridor
S	0035	A	Wall,Window,Caulking,Grey on Interior,Loc:8325,Gym
S	0035	B	Wall,Window,Caulking,Grey on Interior,Loc:8327,Office
S	0035	C	Wall,Window,Caulking,Grey on Interior,Loc:8326,Boys Washroom
S	0036	A	Ceiling,All,Cement Product,Transite 24" x 24" Pinholes,Loc:8327,Office
S	0036	B	Ceiling,All,Cement Product,Transite 24" x 24" Pinholes,Loc:8327,Office

[Handwritten signature]
 2011.03.18

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0036	C	Ceiling,All,Cement Product,Transite 24" x 24" Pinholes,Loc:8329,Equipment
S	0037	A	Ceiling,All,Cement Product,Transite 24" x 24" Smooth,Loc:8330,Girls Washroom
S	0037	B	Ceiling,All,Cement Product,Transite 24" x 24" Smooth,Loc:8330,Girls Washroom
S	0037	C	Ceiling,All,Cement Product,Transite 24" x 24" Smooth,Loc:8326,Boys Washroom
S	0038	A	Wall,All,Caukling,Grey on Exterior,Loc:0,Exterior
S	0038	B	Wall,All,Caukling,Grey on Exterior,Loc:0,Exterior
S	0038	C	Wall,All,Caukling,Grey on Exterior,Loc:0,Exterior


 2023/08/08 09:37 Page 3 of 3



Bulk Asbestos Analysis

By Polarized Light Microscopy
 EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
 App.E



Customer: Pinchin Ltd.
 6-875 Main St West
 Suite 200
 Hamilton, Ontario L8S 4P9

Attn: Stephen Holmquist
 Damian Palus

Lab Order ID: 71965696
Analysis ID: 71965696_PLM
Date Received: 5/17/2021
Date Reported: 5/20/2021

Project: 286531.012 Rosedale Elementary School HWDSB

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0001A	Tar,Tar Under Siding,Loc:1,Roof	None Detected		100% Other	Black Non Fibrous Homogeneous
71965696PLM_1					Dissolved
S0001B	Tar,Tar Under Siding,Loc:1,Roof	None Detected		100% Other	Black Non Fibrous Homogeneous
71965696PLM_2					Dissolved
S0001C	Tar,Tar Under Siding,Loc:1,Roof	None Detected		100% Other	Black Non Fibrous Homogeneous
71965696PLM_3					Dissolved
S0004A - A	Textile,Vibration Damper,Loc:8325,Gym/Stage	None Detected	99% Cellulose	1% Other	Tan Fibrous Heterogeneous
71965696PLM_4	wrap				Teased, Crushed
S0004A - B	Textile,Vibration Damper,Loc:8325,Gym/Stage	None Detected		100% Other	White Non Fibrous Heterogeneous
71965696PLM_11	compound				Crushed
S0004B	Textile,Vibration Damper,Loc:8325,Gym/Stage	None Detected	99% Cellulose	1% Other	Tan Fibrous Heterogeneous
71965696PLM_5	wrap only				Teased, Crushed
S0004C - A	Textile,Vibration Damper,Loc:8325,Gym/Stage	None Detected	99% Cellulose	1% Other	Tan Fibrous Heterogeneous
71965696PLM_6	wrap				Teased, Crushed
S0004C - B	Textile,Vibration Damper,Loc:8325,Gym/Stage	None Detected		100% Other	White Non Fibrous Heterogeneous
71965696PLM_12	compound				Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Eloisa Blake (12)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Pinchin Ltd.
6-875 Main St West
Suite 200
Hamilton, Ontario L8S 4P9

Attn: Stephen Holmquist
Damian Palus

Lab Order ID: 71965696
Analysis ID: 71965696_PLM
Date Received: 5/17/2021
Date Reported: 5/20/2021

Project: 286531.012 Rosedale Elementary School HWDSB


Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
S0005A	Paint,Loc:8325,Gym/Stage	None Detected		100% Other	Green, White Non Fibrous Heterogeneous
71965696PLM_7					Dissolved
S0005B	Paint,Loc:8325,Gym/Stage	None Detected		100% Other	Green, White Non Fibrous Heterogeneous
71965696PLM_8					Dissolved
S0005C	Paint,Loc:8347,Corridor	None Detected		100% Other	Green, White Non Fibrous Heterogeneous
71965696PLM_9					Dissolved
S0005D	Paint,Loc:8354,Mechanical Room	None Detected		100% Other	White Non Fibrous Heterogeneous
71965696PLM_10					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Eloisa Blake (12)

Analyst

Approved Signatory

Client:	Pinchin Ltd.	*Instructions: Use Column "B" for your contact info	71965696
Contact:	Stephen Holmquist		
Address:	6-875 Main St W Hamilton ON	To See an Example Click the bottom Example Tab.	
Phone:	289.339.8072		
Fax:		<p style="text-align: center;">10</p> Begin Samples with a "<<" "above the first sample and end with a ">>" below the last sample. Only Enter your data on the first sheet "Sheet1"	Scientific Analytical Institute 4604 Dundas Dr. Greensboro, NC 27407 Phone: 336.292.3888
Email:	sholmquist@pinchin.com dpalus@pinchin.com		
Project:	286531.012 Rosedale Elementary	<p style="text-align: center;">Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included</p>	Fax: 336.292.3313 Email: lab@sailab.com
Client Notes:	HWDSB		
P.O. #:	286531.012	<p style="text-align: center;">in the electronic data returned to you to facilitate your reintegration of the report data.</p>	
Date Submitted:	May 13 2021		
Analysis:	PLM BULK EPA 600 - Stop Positive		
TurnAroundTime:	4 Day		

Sample Number	Data 1 (Lab use only)	Sample Description	Data 2 (Lab use only)
<<			
S0001A		Tar,Tar Under Siding,Loc:1,Roof	
S0001B		Tar,Tar Under Siding,Loc:1,Roof	
S0001C		Tar,Tar Under Siding,Loc:1,Roof	
S0004A		Textile,Vibration Damper,Loc:8325,Gym/Stage	
S0004B		Textile,Vibration Damper,Loc:8325,Gym/Stage	
S0004C		Textile,Vibration Damper,Loc:8325,Gym/Stage	
S0005A		Paint,Loc:8325,Gym/Stage	
S0005B		Paint,Loc:8325,Gym/Stage	
S0005C		Paint,Loc:8347,Corridor	
S0005D		Paint,Loc:8354,Mechanical Room	

Accepted

Rejected

N. Francis 5/17 10:30 A



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name:	Hamilton Wentworth District School Board, 25 Erindale Avenue, Hamilton, On		
Project No.:	0200200.002		
Prepared For:	M. Gibbs	Date Received:	March 22, 2017
Lab Reference No.:	b167045	Date Analyzed:	March 30, 2017
Analyst(s):	T. Ly	# Samples submitted:	20
		# Phases analyzed:	45

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Manitoba	0.1% friable 1% non-friable
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
Alberta, NWT, Yukon, Nunavut	1%	Newfoundland and Labrador, PEI and New Brunswick	1%

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

Pinchin Ltd. is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Wentworth District School Board, 25 Erindale Avenue, Hamilton, On
Project No.: 0200200.002
Prepared For: M. Gibbs

Lab Reference No.: b167045
Date Analyzed: March 30, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0016B texture finish / corridor 120	Homogeneous, green, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
0016C texture finish / room 101B (coat room) washroom	a) Homogeneous, off-white, soft, cementitious material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
0021A Roof Material / Gym Roof	a) Non-homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, fibrous, tar material.	None Detected	Man-made Vitreous Fibres 25-50% Tar and other non-fibrous 50-75%
	c) Homogeneous, black, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
Comments:	Man-made vitreous fibres are present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Wentworth District School Board, 25 Erindale Avenue, Hamilton, On
Project No.: 0200200.002
Prepared For: M. Gibbs

Lab Reference No.: b167045
Date Analyzed: March 30, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0021B Roof Material / Gym Roof	3 Phases: a) Non-homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, fibrous, tar material.	None Detected	Man-made Vitreous Fibres 25-50% Tar and other non-fibrous 50-75%
	c) Homogeneous, black, layered, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	Comments:	Man-made vitreous fibres are present on the surface of this sample.	
0021C Roof Material / Gym Roof	a) Non-homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, fibrous, tar material.	None Detected	Man-made Vitreous Fibres 25-50% Tar and other non-fibrous 50-75%
	c) Homogeneous, black, layered, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	Comments:	Man-made vitreous fibres and cellulose are present on the surface of this sample.	



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Wentworth District School Board, 25 Erindale Avenue, Hamilton, On
Project No.: 0200200.002
Prepared For: M. Gibbs

Lab Reference No.: b167045
Date Analyzed: March 30, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0022A Roof Material / North Canopy Roof	3 Phases: a) Homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, fibrous, tar material.	None Detected	Man-made Vitreous Fibres 25-50% Tar and other non-fibrous 50-75%
	c) Homogeneous, black, layered, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
0022B Roof Material / East Canopy Roof	a) Homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, fibrous, tar material.	None Detected	Man-made Vitreous Fibres 25-50% Tar and other non-fibrous 50-75%
	c) Homogeneous, black, layered, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	d) Homogeneous, black, tar paper.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%



**Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis**

Project Name: Hamilton Wentworth District School Board, 25 Erindale Avenue, Hamilton, On
Project No.: 0200200.002
Prepared For: M. Gibbs

Lab Reference No.: b167045
Date Analyzed: March 30, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0022C Roof Material / East Canopy Roof	4 Phases:		
	a) Homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, fibrous, tar material.	None Detected	Man-made Vitreous Fibres 25-50% Tar and other non-fibrous 50-75%
	c) Homogeneous, black, layered, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	d) Homogeneous, black, tar paper.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Wentworth District School Board, 25 Erindale Avenue, Hamilton, On
Project No.: 0200200.002
Prepared For: M. Gibbs

Lab Reference No.: b167045
Date Analyzed: March 30, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0023A Roof Material / Lower Roof Original Building	6 Phases:		
	a) Homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, fibrous, tar material.	None Detected	Man-made Vitreous Fibres 25-50% Tar and other non-fibrous 50-75%
	c) Non-homogeneous, black, tar paper.	None Detected	Cellulose 25-50% Tar and other non-fibrous 50-75%
	d) Non-homogeneous, black and brown, tar on paper.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	e) Homogeneous, black, tar impregnated, compressed fibrous material.	None Detected	Cellulose 50-75% Tar and other non-fibrous 25-50%
	f) Homogeneous, black, tar material on tar impregnated, compressed fibrous material..	None Detected	Tar and other non-fibrous > 75%
Comments:	Man-made vitreous fibres are present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Wentworth District School Board, 25 Erindale Avenue, Hamilton, On
Project No.: 0200200.002
Prepared For: M. Gibbs

Lab Reference No.: b167045
Date Analyzed: March 30, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0023B Roof Material / Lower Roof East Addition	3 Phases: a) Homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, fibrous, tar material.	None Detected	Man-made Vitreous Fibres 25-50% Tar and other non-fibrous 50-75%
	c) Non-homogeneous, layered, black, tar paper.	None Detected	Cellulose 25-50% Tar and other non-fibrous 50-75%
Comments:	Man-made vitreous fibres are present on the surface of this sample.		
0023C Roof Material / Lower Roof North Addition	4 Phases: a) Homogeneous, black, layered, tar material.	None Detected	Tar and other non-fibrous > 75%
	b) Homogeneous, black, layered, fibrous, tar material.	None Detected	Man-made Vitreous Fibres 25-50% Tar and other non-fibrous 50-75%
	c) Non-homogeneous, black, tar paper.	None Detected	Cellulose 25-50% Tar and other non-fibrous 50-75%
	d) Non-homogeneous, black and brown, tar on paper	None Detected	Cellulose > 75% Tar and other non-fibrous 10-25%
Comments:	Man-made vitreous fibres are present on the surface of this sample.		



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hamilton Wentworth District School Board, 25 Erindale Avenue, Hamilton, On
Project No.: 0200200.002
Prepared For: M. Gibbs

Lab Reference No.: b167045
Date Analyzed: March 30, 2017

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
0024A soft tar / HVAC Unit 4	Homogeneous, black, sticky, tar material.	None Detected	Cellulose 10-25% Tar and other non-fibrous > 75%
0024B soft tar / HVAC Unit 2	Homogeneous, black, sticky, tar material.	None Detected	Cellulose 10-25% Tar and other non-fibrous > 75%
0024C soft tar / HVAC Unit 4	Homogeneous, black, sticky, tar material.	None Detected	Cellulose 10-25% Tar and other non-fibrous > 75%
0025A hard tar / HVAC Unit 3	Homogeneous, black, tar material.	None Detected	Tar and other non-fibrous > 75%
0025B hard tar / HVAC Unit 6	Homogeneous, black, tar material.	None Detected	Tar and other non-fibrous > 75%
0025C hard tar / HVAC Unit 4	Homogeneous, black, tar material.	None Detected	Tar and other non-fibrous > 75%
0026A light grey caulking / gym flashing	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
0026B light grey caulking / gym flashing	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
0026C light grey caulking / gym flashing	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%

Reviewed by:

Reporting Analyst:



Analyzed by: RB
 Reviewed by: HC
 Report Sent by: UB



Special Instructions:

**Pinchin Ltd. - Asbestos Laboratory
 Internal Asbestos Bulk Sample Chain of Custody**

Client Name:	Hamilton Wentworth District School Board	Project Address:	25 Erindale Ave, Hamilton, On
Portfolio/Building No:		Pinchin File:	200200.002
Submitted by:	M. Gibbs	Email:	mgibbs@pinchin.com
CC Results to:		CC Email:	
Invoice to:	M. Gibbs	Invoice Email:	ap@pinchin.com
Date Submitted:	March 21 2017	Required by:	March 28 2017
# of Samples:	20	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory Field):			
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):	Pinchin		

To be Completed by Lab Personnel Only:

Lab Reference #:	6167045	Time:	24 hour clock		
Received by:	MAR 22 2017 EL	Date:	Month	Day	Year
Name(s) of Analyst(s):	RL		03	30	17

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0016	B	texture finish / corriodor 120 HD
	0016	C	texture finish / room 101B (coat room) washroom a)HD b)HD
	0021	A	Roof Material / Gym Roof a) HD b) HD c)HD
	0021	B	Roof Material / Gym Roof a) HD b) HD c)HD
	0021	C	Roof Material / Gym Roof a) HD b)HD c)HD
	0022	A	Roof Material / North Canopy Roof a)HD b)HD c)HD

15 + 30



Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
	0022	B	Roof Material / East Canopy Roof a)ND b)ND c)ND d)ND
	0022	C	Roof Material / East Canopy Roof a)ND b)ND c)ND d)ND
	0023	A	Roof Material / Lower Roof Original Building a)ND b)ND c)ND d)ND e)ND f)ND
	0023	B	Roof Material / Lower Roof East Addition a)ND b)ND c)ND
	0023	C	Roof Material / Lower Roof North Addition a)ND b)ND c)ND d)ND
	0024	A	soft tar / HVAC Unit 4 ND
	0024	B	soft tar / HVAC Unit 2 ND
	0024	C	soft tar / HVAC Unit 4 ND
	0025	A	hard tar / HVAC Unit 3 ND
	0025	B	hard tar / HVAC Unit 6 ND
	0025	C	hard tar / HVAC Unit 4 ND
	0026	A	light grey caulking / gym flashing ND
	0026	B	light grey caulking / gym flashing ND
	0026	C	light grey caulking / gym flashing ND

APPENDIX II-B
Lead Analytical Certificates



Your Project #: 336572.005
Your C.O.C. #: N/A

Attention: Jessica Cozzitorto

Pinchin Ltd
151 York Boulevard
Suite 200
Hamilton, ON
CANADA L8R 3M2

Report Date: 2024/03/19
Report #: R8072607
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C479821

Received: 2024/03/15, 09:45

Sample Matrix: Solid
Samples Received: 7

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Metals in Paint	7	2024/03/19	2024/03/19	CAM SOP-00408	EPA 6010D m

Remarks:
Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested. This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.



Your Project #: 336572.005
Your C.O.C. #: N/A

Attention: Jessica Cozzitorto

Pinchin Ltd
151 York Boulevard
Suite 200
Hamilton, ON
CANADA L8R 3M2

Report Date: 2024/03/19
Report #: R8072607
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C479821
Received: 2024/03/15, 09:45

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:

Nilushi Mahathantila, Project Manager
Email: Nilushi.Mahathantila@bureauveritas.com
Phone# (905) 817-5700

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BUREAU VERITAS

Bureau Veritas Job #: C479821
Report Date: 2024/03/19

Pinchin Ltd
Client Project #: 336572.005
Sampler Initials: AL

ELEMENTS BY ATOMIC SPECTROSCOPY (SOLID)

Bureau Veritas ID		YQP168	YQP169	YQP170		
Sampling Date		2024/03/13 07:00	2024/03/13 07:00	2024/03/13 07:00		
COC Number		N/A	N/A	N/A		
	UNITS	L0010, WHITE ON CONCRETE BLOCK, LOC:8325, GYM	L0011, RED ON CONCRETE BLOCK, LOC:8325, GYM	L0012, BLACK ON CONCRETE BLOCK, LOC:8325, GYM	RDL	QC Batch

Metals						
Lead (Pb)	%	0.034	0.039	0.039	0.00010	9282271
RDL = Reportable Detection Limit QC Batch = Quality Control Batch						

Bureau Veritas ID		YQP171		YQP172		YQP173		
Sampling Date		2024/03/13 07:00		2024/03/13 07:00		2024/03/13 07:00		
COC Number		N/A		N/A		N/A		
	UNITS	L0013, BLACK/WHITE ON METAL TRIM, LOC:8324, STAGE	RDL	L0014, WHITE ON METAL RAIL, LOC:8324, STAGE	RDL	L0015, GREY ON CONCRETE FLOOR, LOC:8354, MECH.ROOM	RDL	QC Batch

Metals								
Lead (Pb)	%	<0.50	0.50	0.24	0.0021	1.3	0.010	9282271
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								

Bureau Veritas ID		YQP174		
Sampling Date		2024/03/13 07:00		
COC Number		N/A		
	UNITS	L0016, BEIGE/WHITE ON DRYWALL, LOC:8361, CORRIDOR	RDL	QC Batch

Metals				
Lead (Pb)	%	<0.00023	0.00023	9282271
RDL = Reportable Detection Limit QC Batch = Quality Control Batch				



GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	0.0°C
-----------	-------

Sample YQP171 [L0013, BLACK/WHITE ON METAL TRIM, LOC:8324, STAGE] : Metal Analysis: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.

Sample YQP172 [L0014, WHITE ON METAL RAIL, LOC:8324, STAGE] : Metal Analysis: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.

Sample YQP174 [L0016, BEIGE/WHITE ON DRYWALL, LOC:8361, CORRIDOR] : Metal Analysis: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C479821
Report Date: 2024/03/19

Pinchin Ltd
Client Project #: 336572.005
Sampler Initials: AL

QUALITY ASSURANCE REPORT

QA/QC	Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
	9282271	JOH	Matrix Spike	Lead (Pb)	2024/03/19		92	%	75 - 125
	9282271	JOH	QC Standard	Lead (Pb)	2024/03/19		98	%	75 - 125
	9282271	JOH	Method Blank	Lead (Pb)	2024/03/19	<0.00010		%	
	9282271	JOH	RPD	Lead (Pb)	2024/03/19	1.8		%	35

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.



BUREAU
VERITAS

Bureau Veritas Job #: C479821

Report Date: 2024/03/19

Pinchin Ltd

Client Project #: 336572.005

Sampler Initials: AL

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

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6740 Campobello Road, Mississauga, Ontario L5N 2L8
 Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
 CAM FCD-01191/6

CHAIN OF CUSTODY RECORD

Page 1 of 1

Invoice Information		Report Information (if differs from invoice)				Project Information (where applicable)				Turnaround Time (TAT) Required							
Company Name: Pinchin Ltd.		Company Name: _____				Quotation #: _____				<input checked="" type="checkbox"/> Regular TAT (5-7 days) Most analyses							
Contact Name: Adam Lazette / Jessica Cozzitorto		Contact Name: _____				P.O. #/ AFE#: _____				PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS							
Address: 151 York Blvd, Suite 200		Address: _____				Project #: 336572.005				Rush TAT (Surcharges will be applied)							
Hamilton, Ontario		_____				Site Location: _____				<input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3-4 Days							
Phone: 289.678.0692 Fax: _____		Phone: _____ Fax: _____				Site #: _____				Date Required: March 21 2024							
Email: alazette@pinchin.com / jcozzitorto@pinchin.com		Email: _____				Site Location Province: _____ ON				Rush Confirmation #: _____							
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY																	
Regulation 153			Other Regulations			Analysis Requested						LABORATORY USE ONLY					
<input type="checkbox"/> Table 1 <input type="checkbox"/> Res/Park <input type="checkbox"/> Med/ Fine <input type="checkbox"/> Table 2 <input type="checkbox"/> Ind/Comm <input type="checkbox"/> Coarse <input type="checkbox"/> Table 3 <input type="checkbox"/> Agri/ Other <input type="checkbox"/> Table _____ FOR RSC (PLEASE CIRCLE) Y / N			<input type="checkbox"/> CCME <input type="checkbox"/> Sanitary Sewer Bylaw <input type="checkbox"/> MISA <input type="checkbox"/> Storm Sewer Bylaw <input type="checkbox"/> PWQO Region _____ <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> REG 558 (MIN. 3 DAY TAT REQUIRED) <input type="checkbox"/> REG 406 Table _____			# OF CONTAINERS SUBMITTED FIELD FILTERED (CIRCLE) Metals / Hg / CrVI BTEX/ PHC F1 PHCs F2 - F4 VOCs REG 153 METALS & INORGANICS REG 153 ICPMS METALS REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B) Lead (pb) in Paints PCBs HOLD- DO NOT ANALYZE						CUSTODY SEAL Y / N Present Intact COOLING MEDIA PRESENT: Y / <input checked="" type="checkbox"/> N COMMENTS					
Include Criteria on Certificate of Analysis: Y / N																	
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS																	
SAMPLE IDENTIFICATION		DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / Hg / CrVI	BTEX/ PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 ICPMS METALS	REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B)	Lead (pb) in Paints	PCBs	HOLD- DO NOT ANALYZE	COMMENTS	
L0010, White on Concrete Block, Loc:8325, Gym		(2024/03/13)	7:00	BULK													
L0011, Red on Concrete Block, Loc:8325, Gym		(2024/03/13)	7:00	BULK													
L0012, Black on Concrete Block, Loc:8325, Gym		(2024/03/13)	7:00	BULK													
L0013, Black/White on Metal Trim, Loc:8324, Stage		(2024/03/13)	7:00	BULK													
L0014, White on Metal Rail, Loc:8324, Stage		(2024/03/13)	7:00	BULK													
L0015, Grey on Concrete Floor, Loc:8354, Mech. Room		(2024/03/13)	7:00	BULK													
L0016, Beige/White on Drywall, Loc:8361, Corridor		(2024/03/13)	7:00	BULK													
RELINQUISHED BY: (Signature/Print)		DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)				DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #							
		(2024/03/14)	(11:00)	SAL SUGAR SALVANI				2024/03/15	09:45								



NONT-2024-03-1177

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at <https://www.bvna.com/coc-terms-and-conditions>



Analysis for Lead Concentration in Paint Chips

by Flame Atomic Absorption Spectroscopy
EPA SW-846 3050B/6010C/7000B



Customer: Pinchin Ltd.
6-875 Main St West
Suite 200
Hamilton, Ontario L8S 4P9

Attn: Stephen Holmquist
Damian Palus

Lab Order ID: 71965710
Analysis ID: 71965710_PBP
Date Received: 5/17/2021
Date Reported: 5/20/2021

Project: 286531.012 Rosedale Elementary School HWDSB

Sample ID	Description	Mass	Concentration	Concentration
Lab Sample ID	Lab Notes	(g)	(ppm)	(% by weight)
L0001	Other, Metal, Yellow On Gas Line,Loc:1,Roof	0.0259	< 62	< 0.0062%
71965710PBP_1				
L0002	Wall, Masonry, Cream,Loc:8325,Gym/Stage	0.0708	320	0.032%
71965710PBP_2				
L0003	Wall, Masonry, Beige,Loc:8347,Corridor	0.0579	590	0.059%
71965710PBP_3				
L0004	Wall, Masonry, White,Loc:8354,Mechanical Room	0.0546	170	0.017%
71965710PBP_4				
L0005	Struct, Metal, Red,Loc:8325,Gym/Stage	0.0620	53000	5.3%
71965710PBP_5				

Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 50ml sample is 4µg Total Pb). Unless indicated, areas and volumes were provided by the customer.

Athena Summa (5)

Analyst

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888

Laboratory Director

Client: Pinchin Ltd.
Contact: Stephen Holmquist
Address: 6-875 Main St W Hamilton ON
Phone: 289.339.8072
Fax:
Email: sholmquist@pinchin.com
dpalus@pinchin.com

Project: 286531.012 Rosedale Elementary School

Client Notes: HWDSB

P.O. #: 286531.012
Date Submitted: May 13 2021

Analysis: % lead by weight
TurnAroundTime: 4 Day

***Instructions:**
 Use Column "B" for your contact info


To See an Example Click the bottom Example Tab.

5

Begin Samples with a "<<" above the first sample and end with a ">>" below the last sample. Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.

71965710



Scientific Analytical Institute

**4604 Dundas Dr.
 Greensboro, NC 27407
 Phone: 336.292.3888
 Fax: 336.292.3313
 Email: lab@sailab.com**

Sample Number	Data 1 (Lab use only)	Sample Description	Data 2 (Lab use only)
---------------	-----------------------	--------------------	-----------------------

<<			
L0001		Other, Metal, Yellow On Gas Line, Loc:1, Roof	
L0002		Wall, Masonry, Cream, Loc:8325, Gym/Stage	
L0003		Wall, Masonry, Beige, Loc:8347, Corridor	
L0004		Wall, Masonry, White, Loc:8354, Mechanical Room	
L0005		Struct, Metal, Red, Loc:8325, Gym/Stage	

Accepted

Rejected

N. Francis 5/17 10:30 A

APPENDIX II-C
PCB Analytical Certificates

Certificate of Analysis

Adam Lazette / Jessica Cozzitorto

Pinchin Ltd. (Hamilton)
151 York Blvd., Suite 200, Hamilton, ON L8R 3L4

Date of Issue: Mar 22, 2024

Report Description: 2 solid samples were submitted for the following chemical analysis

Project Name:		Date Sampled:	Mar 13, 2024
Project No.:	336572.005	Date Tested:	Mar 21, 2024
Site Location:		Sampled by:	Adam Lazette

Report Number: 24-0306

No.	Analyte	Result	Units	MDL	Comments	Technique / Test Method
<u>1</u>	<u>Sample ID:</u> P0001 - Caulking, Grey on Interior Windows, Loc: 8325					
	PCBs in Solid	<0.2	mg/kg	0.2		LAB-M06 (EPA 3550C/8082A modified)
<u>2</u>	<u>Sample ID:</u> P0002 - Caulking, Grey on Exterior Windows, Loc: 0					
	PCBs in Solid	<0.2	mg/kg	0.2		LAB-M06 (EPA 3550C/8082A modified)

Results apply to the sample as received.

Approved By:

Son C.H. Le, (Chem.)
Lab Manager
Phone: (519) 740-1333 Ext.: 1030
Fax: (519) 740-2320
Email: SonLe@aevitas.ca

The Analytical Chemistry Laboratory of Aevitas Inc. (Ayr) is accredited for specific tests in accordance with the recognized International Standard ISO/IEC 17025:2017, by the Canadian Association for Laboratory Accreditation (CALA) Inc. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017). The laboratory quality management system of Aevitas Inc. (Ayr) also operates in accordance with the principles of ISO 9001.

All Analytical data is subject to uncertainty which, may vary with sample matrices, sample preparation techniques and instrumental parameters. As a general guideline, uncertainty may be expressed as approximately +/- 50% of the reported value at or near the Method Detection Limit (MDL) and +/-10% or less, of the reported result that is greater than 10 times the MDL. Method Detection Limits are defined as approximately 3 times the standard deviation value (at 99% confidence level), which is obtained from replicate analysis of a low-level standard as per the Ontario MOE - MISA Protocol for the Sampling and Analysis of Industrial / Municipal Wastewater (2016). MDL determination is based on undiluted samples with relatively low matrix interferences. Where dilutions are required, the reported MDL value will be scaled proportionally.

All testing procedures follow strict guidelines and quality assurance / quality control (QA/QC) protocols. QA/QC data is available for review at any time upon client's request.

APPENDIX III
Methodology



1.0 GENERAL

An inspection was conducted to identify the type of Hazardous Building Materials incorporated in the structure and its finishes.

Information regarding the location and condition of hazardous building materials encountered and visually estimated quantities were recorded. The locations of any samples collected were recorded on small-scale plans. As-built drawings and previous reports were referenced where provided.

Sample collection was conducted in accordance with our Standard Operating Procedures.

1.1 Asbestos

The inspection for asbestos included friable and non-friable asbestos-containing materials (ACM). A friable material is a material that when dry can be crumbled, pulverized or powdered by hand pressure.

A separate set of samples was collected of each type of homogenous material suspected to contain asbestos. A homogenous material is defined by the US EPA as material that is uniform in texture and appearance, was installed at one time, and is unlikely to consist of more than one type or formulation of material. The homogeneous materials were determined by visual examination and available information on the phases of construction and prior renovations.

Samples were collected at a rate that is in compliance with the requirements of local regulations and guidelines. The sampling strategy was also based on known ban dates and phase out dates of the use of asbestos; sampling of certain building materials is not conducted after specific construction dates. In addition, to be conservative, several years past these dates are added to account for some uncertainty in the exact start / finish date of construction and associated usage of ACM. In some cases, manufactured products such as asbestos cement pipe were visually identified without sample confirmation.

The asbestos analysis was completed using a stop-positive approach. Only one result meeting the regulated criteria was required to determine that a material is asbestos-containing, but all samples must be analyzed to conclusively determine that a material is non-asbestos. The laboratory stopped analyzing samples from a homogeneous material once a result equal to or greater than the regulated criteria is detected in any of the samples of that material. All samples of a homogeneous material were analyzed if no asbestos is detected. In some cases, all samples were analyzed in the sample set regardless of result.

The analysis was performed in accordance with Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, July 1993.

Analytical results were compared to the following criteria.

Jurisdiction*	Friable	Non-Friable
BC	0.5% ¹	0.5%
Alberta	Any Amount ²	Any Amount ²
Saskatchewan	>0.5% ¹	>1%
Manitoba	0.1% ¹	1%
Ontario	0.5%	0.5%
Nova Scotia	0.5% ¹	0.5%
New Brunswick, Prince Edward Island, Newfoundland and Labrador	1%	1%
Yukon, Nunavut, Northwest Territories	1%	1%
Federal	1%	1%

* If there is a conflict between federal and provincial criteria, the more stringent will apply.

Where building materials are described in the report as “non-asbestos” or “does not contain asbestos”, this means that either no asbestos was detected by the analytical method utilized in any of the multiple samples or, if detected, it is below the lower limit of an asbestos-containing material in the applicable regulation. Additionally, these terms are used for materials which historically are known to not include asbestos in their manufacturing.

1.2 Lead

Samples of distinctive paint finishes, and surface coatings present in more than a limited application, where removal of the paint is possible was collected. The samples were collected by scraping the painted finish to include base and covering applications.

Analysis for lead in paints or surface coatings was performed in accordance with EPA Method No. 3050B/Method No. 7420; flame atomic absorption.

Analytical results were compared to the following criteria.

Jurisdiction*	Units (%)	Units (ppm) / (mg/kg)
BC	None	None
Alberta	0.009	90
Saskatchewan	0.009	90

¹ Or any amount if vermiculite

² The Government of Alberta in their guideline document entitled the “Alberta Asbestos Abatement Manual” (August 2019), defines an Asbestos-Containing Material as a product or building material that contains asbestos in any quantity or percentage.

Manitoba	0.009	90
Ontario	0.1	1000
Nova Scotia	0.009	90
New Brunswick	0.009	90
Prince Edward Island	0.009	90
Newfoundland	0.009	90
Yukon	0.009	90
Nunavut, Northwest Territories	0.1	1000
Federal	0.009	90

* If there is a conflict between federal and provincial criteria, the more stringent will apply.

Other lead building products (e.g. batteries, lead sheeting, flashing) were identified by visual observation only.

1.3 Silica

Building materials known to contain crystalline silica (e.g. concrete, cement, tile, brick, masonry, mortar) were identified by visual inspection only. Pinchin did not perform sampling of these materials for laboratory analysis of crystalline silica content.

1.4 Mercury

Building materials, products or equipment (e.g. thermostats, barometers, pressure gauges, lamp tubes), suspected to contain mercury was identified by visually inspection only. Dismantling of equipment suspected of containing mercury was not performed. Sampling of these materials for laboratory analysis of mercury content was not performed.

1.5 Polychlorinated Biphenyls

The potential for light ballast and oil filled transformers to contain PCBs was based on the age of the building, a review of maintenance records and examination of labels or nameplates on equipment, where present and accessible. The information was compared to known ban dates of PCBs and Environment Canada publications.

Dry type transformers were presumed to be free of dielectric fluids and hence non-PCB.

Fluids (mineral oil, hydraulic, Aroclor or Askarel) in transformers or other equipment were not sampled for PCB content.



1.6 Visible Mould

The presence of mould or water damage was determined by visual inspection of exposed building surfaces. If any mould growth or water damage was concealed within building cavities it was not addressed in this assessment.

Template: Methodology for Hazardous Building Materials Assessment, HAZ, January 26, 2023

APPENDIX IV
Location Summary Report

Client: Hamilton-Wentworth District School Board
Building Name: Rosedale Elementary School
Survey Date: 2024-03-13
Building Phases: A: 1953

Site: 25 Erindale Avenue, Hamilton, ON
Last Re-Assessment:

Location No.	Name or Description	Area ft ²	Floor No.	Bldg. Phase	Notes
0	Exterior	0	1	A	Only includes area anticipated to be impacted
1	Roof	2000	R	A	Only includes area anticipated to be impacted
8323	Corridor, room no. 116	1300	1	A	
8324	Stage, room no. 125C	800	1	A	
8325	Gym, room no. 125	3000	1	A	
8326	Boys Washroom, room no. 125D	125	1	A	
8327	Office, room no. 125E	125	1	A	Kitchen
8328	Vestibule, room no. 125F	150	1	A	
8329	Equipment, room no. 125G	150	1	A	Storage
8330	Girls Washroom, room no. 125H	150	1	A	
8347	Corridor, room no. 116	800	1	A	
8354	Mechanical Room, room no. 114	750	1	A	
8355	Boys Washroom, room no. 113	600	1	A	
8358	Custodial Room, room no. 112	550	1	A	
8361	Corridor, room no. 101A	1100	1	A	Includes 111B, 111C and 112B
8362	Corridor, room no. 101	1800	1	A	Only includes area anticipated to be impacted
8363	Change Rooms, room no. 110B	900	1	A	Includes 110D

APPENDIX V

Hazardous Materials Summary Report / Sample Log

Client: Hamilton-Wentworth District School Board

Site: 25 Erindale Avenue, Hamilton, ON

Building Name: Rosedale Elementary School

Survey Date: 2024-03-13

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	S0001 ABC	Other Built Up Roofing Tar Tar Under Siding	1	A	0	0	0	100	None Detected	No	
Asbestos	S0004 ABC	Duct All Textile Vibration Damper	8325	A	0	0	2	0	None Detected	No	
Asbestos	S0005 ABCD	Wall All Paint On Concrete	8325,8347,8354,8361	A	0	3850	0	0	None Detected	No	
Asbestos	S0021 ABC	Other Built Up Roofing Roofing Material Gym Roof	1	A	0	4500	0	0	None Detected	No	
Asbestos	S0022 ABC	Other Built Up Roofing Roofing Material Canopy Roof	1	A	0	0	0	100	None Detected	No	
Asbestos	S0023 ABC	Other Built Up Roofing Roofing Material Lower Roof, Original Building	1	A	0	0	0	100	None Detected	No	
Asbestos	S0030 ABC	Floor All Vinyl Floor Tile 12" X 12" Grey With Black Streaks	8324,8325,8327,8329	A	0	3400	0	0	Chrysotile	Yes	NF
Asbestos	S0031 ABC	Piping All Parging Cement	8324	A	0	0	2	0	Chrysotile	Yes	F
Asbestos	S0032 ABC	Piping All Aircell	8324	A	20	0	0	0	Chrysotile	Yes	F
Asbestos	S0033 ABCDEFG	Wall All Paint On Concrete Block	8323,8324,8325,8326,8327,8328,8329,8330,8347,8354,8355,8358,8361,8362,8363	A	0	16350	0	0	None Detected	No	
Asbestos	S0034 ABC	Floor All Terrazzo Beige	8323,8326,8328,8330,8347,8355,8362	A	0	5025	0	0	None Detected	No	
Asbestos	S0035 ABC	Wall Window Caulking Grey On Interior	8325,8326,8327,8329,8330	A	460	0	0	0	None Detected	No	
Asbestos	S0036 ABC	Ceiling All Cement Product Transite 24" X 24" Pinholes	8327,8328,8329	A	0	425	0	0	Chrysotile	Yes	NF
Asbestos	S0037 ABC	Ceiling, Wall All Cement Product Transite 24" X 24" Smooth	8323,8324,8325,8326,8330,8347,8354,8355,8362	A	0	6625	0	0	Chrysotile	Yes	NF
Asbestos	S0038 ABC	Wall All Caulking Grey On Exterior	0	A	300	0	0	0	None Detected	No	
Asbestos	V0000	Ceiling All Ceiling Tiles (lay-in) 2' X 4' Irregular Pinholes And Small Fissures, 08/15/17	8323,8347,8358,8361,8362,8363	A	0	6150	0	0	Non Asbestos	No	
Asbestos	V0000	Duct All Mastic, Grey Installed 2017	1	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor All Floor Levelling Compound Under 12" X 12" Grey With Black Streaks	8324,8325,8327,8329	A	0	3400	0	0	Non Asbestos	No	
Asbestos	V0000	Floor All Mastic Under 12" X 12" Grey With Black Streaks	8324,8325,8327,8329	A	0	3400	0	0	Non Asbestos	No	
Asbestos	V0000	Floor All Vinyl Floor Tile And Mastic 12" X 12" Various Colours, Installed 2020	8358,8361,8363	A	0	1850	0	0	Non Asbestos	No	
Asbestos	V0000	Wall Base Adhesive/mastic Clear Mastic On Black Rubber Baseboards, Installed 2020	8363	A	90	0	0	0	Non Asbestos	No	
Asbestos	V0000	Wall All Drywall And Joint Compound	8355,8361,8363	A	0	3600	0	0	Non	No	

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
		Installed 2020							Asbestos		
Asbestos	V0000	Wall All Mortar Thinset, Installed 2020	8355	A	0	200	0	0	Non Asbestos	No	
Paint	L0001	Piping Metal Yellow On Gas Line	1	A	0	0	0	100		No	-
Paint	L0005	Structure Metal Red	8324,8325,8326,8327,8328,8329,8330,8354,8355,8358,8361,8362,8363	A	0	2080	0	0	Lead (High)	Yes	-
Paint	L0010	Wall Concrete (precast) White	8323,8324,8325,8326,8327,8328,8329,8330,8347,8354,8355,8358,8361,8362,8363	A	0	18800	0	0	Lead (Low)	Yes	-
Paint	L0011	Wall Concrete (precast) Red	8325	A	0	1100	0	0	Lead (Low)	Yes	-
Paint	L0012	Wall Concrete (precast) Black	8325	A	0	300	0	0	Lead (Low)	Yes	-
Paint	L0013	Wall Metal Black/white On Metal Trim	8324,8325	A	0	210	0	0	Lead (Low)	Yes	-
Paint	L0014	Wall Metal White On Metal Rails	8324	A	0	40	0	0	Lead (High)	Yes	-
Paint	L0015	Floor Concrete (poured) Grey	8354	A	0	750	0	0	Lead (High)	Yes	-
Paint	L0016	Wall Drywall And Joint Compound Beige/white	8355,8361,8363	A	0	3400	0	0		No	-
Lead Product	V9000	Batteries (other)	8354	A	0	0	1	0	Lead Product	Yes	-
Lead Product	V9000	Batteries In Emer. Lights	8323	A	0	0	3	0	Lead Product	Yes	-
Lead Product	V9000	Batteries In Emer. Lights	8325	A	0	0	2	0	Lead Product	Yes	-
Lead Product	V9000	Batteries In Emer. Lights	8328,8347	A	0	0	4	0	Lead Product	Yes	-
Lead Product	V9000	Batteries In Emer. Lights	8354	A	0	0	2	0	Lead Product	Yes	-
Lead Product	V9000	Batteries In Emer. Lights	8355,8358,8361	A	0	0	4	0	Lead Product	Yes	-
PCB	P0005	Caulking Grey On Interior	8325,8326,8327,8329,8330	A	460	0	0	0	-	No	-
PCB	P0006	Caulking Grey On Exterior	0	A	300	0	0	0	-	No	-
PCB	V0000	Light Ballasts	8323,8324,8325,8326,8327,8328,8329,8330,8347,8354,8355,8358,8361,8362,8363	A	0	0	0	100	-	No	-
PCB	V0000	Transformer	8354	A	0	0	1	0	-	No	-
Hg	V9000	Light Fixture	8324,8325,8326,8327,8328,8329,8330,8354	A	0	0	0	100	Hg	Yes	-
Hg	V9000	Thermostat	8347	A	0	0	2	0	Hg	Yes	-
Hg	V0000	Light Fixture	8323,8347,8354,8355,8358,8361,8362,8363	A	0	0	0	100	-	No	-

Legend:

Sample number		Units			
S####	Asbestos sample collected	SF	Square feet	NF	Non Friable material.
L####	Paint sample collected	LF	Linear feet	F	Friable material
P####	PCB sample collected	EA	Each	PF	Potentially Friable material
M####	Mould sample collected	%	Percentage		
V####	Material visually similar to numbered sample collected				
V0000	Known non Hazardous Material				
V9000	Material is visually identified as Hazardous Material				
V9500	Material is presumed to be Hazardous Material				
[Loc. No.]	Abated Material				

APPENDIX VI
HMIS All Data Report

Client: Hamilton-Wentworth District School Board
Location: #0 : Exterior
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #:
Last Re-Assessment: 0000-00-00

Area (sqft): 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	None Found														
Duct	All	None Found														
Floor	All	None Found														
Mechanical Equipment	All	None Found														
Piping	All	None Found														
Structure	All	Concrete (poured)			D	N										
Wall	All	Masonry			A	Y										
Wall	All	Caulking, Grey on exterior			A	Y		300			LF	S0038ABC	None Detected	N.D.	None	

Only includes area anticipated to be impacted

Client: Hamilton-Wentworth District School Board
Location: #0 : Exterior
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #:
Last Re-Assessment: 0000-00-00

Area (sqft): 0

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Caulking	300	LF	P0006	Grey on exterior	<0.2 mg/kg	No

Only includes area anticipated to be impacted

Client: Hamilton-Wentworth District School Board
Location: #1 : Roof
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: R

Building Name: Rosedale Elementary School
Room #:
Last Re-Assessment: 0000-00-00

Area (sqft): 2000

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	None Found														
Duct	All	Not Insulated			D	Y										
Duct	All	Mastic, Grey, Installed 2017			D	Y		100			%	V0000	Non-Asbestos		None	
Floor	All	None Found														
Mechanical Equipment	Air Handling Unit	Not Insulated			D	Y										
Other	Built Up Roofing	Tar, under siding			D	N		100			%	S0001ABC	None Detected	N.D.	None	
Other	Built Up Roofing	Roofing material, Gym Roof			D	Y		4500			SF	S0021ABC	None Detected	N.D.	None	
Other	Built Up Roofing	Roofing material, Canopy roof			D	Y		100			%	S0022ABC	None Detected	N.D.	None	
Other	Built Up Roofing	Roofing material, Lower roof, original building			D	Y		100			%	S0023ABC	None Detected	N.D.	None	
Piping	All	Not Insulated		Paint	D	Y		100			%					
Structure	Deck	Steel			D	N										
Structure	Deck	Concrete (poured)			D	N										
Wall	All	None Found														

Only includes area anticipated to be impacted

Client: Hamilton-Wentworth District School Board
Location: #1 : Roof
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: R

Building Name: Rosedale Elementary School
Room #:
Last Re-Assessment: 0000-00-00

Area (sqft): 2000

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Piping	Metal	100		%	L0001	Yellow on gas line	Pb: <0.0062 %	No	

Only includes area anticipated to be impacted

Client: Hamilton-Wentworth District School Board
Location: #8323 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 116
Last Re-Assessment: 0000-00-00

Area (sqft): 1300

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Ceiling Tiles (lay-in), 2' x 4' Irregular pinholes and small fissures, 08/15/17			C	Y		1300			SF	V0000	Non-Asbestos		None	
Duct	All	Fibreglass		Foil Face	C	N										
Floor	All	Terrazzo, Beige			A	Y		1300			SF	S0034C	None Detected	N.D.	None	
Mechanical Equipment	All	None Found														
Piping	All	Fibreglass		Paper	C	N										
Piping	All	Not Insulated			C	N										
Structure	Deck	Concrete (poured)			C	N										
Wall	All	Concrete (precast)		Paint	A	Y		2400			SF					
Wall	All	Cement Product, Transite 24" x 24" Smooth			C	Y		200(7)			SF	V0037	Chrysotile	10-25%	Confirmed Asbestos	NF
Wall	All	Paint, On concrete block			A	Y		2400			SF	V0033	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #8323 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 116
Last Re-Assessment: 0000-00-00

Area (sqft): 1300

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Concrete (precast)	2400		SF	V0010	White	Pb: 0.034 %	Lead (Low)	

Client: Hamilton-Wentworth District School Board
Location: #8323 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 116
Last Re-Assessment: 0000-00-00

Area (sqft): 1300

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	3	EA	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #8323 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 116
Last Re-Assessment: 0000-00-00

Area (sqft): 1300

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V0000	

Client: Hamilton-Wentworth District School Board

Site: 25 Erindale Avenue, Hamilton, ON

Building Name: Rosedale Elementary School

Location: #8323 : Corridor
Survey Date: 2024-03-13

Floor: 1

Room #: 116
Last Re-Assessment: 0000-00-00

Area (sqft): 1300

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts	100	%	V0000	LED		No

Client: Hamilton-Wentworth District School Board
Location: #8324 : Stage
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125C
Last Re-Assessment: 0000-00-00

Area (sqft): 800

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Cement Product, Transite 24" x 24" Smooth			C	Y		800(7)			SF	V0037	Chrysotile	10-25%	Confirmed Asbestos	NF
Duct	All	Fibreglass		Foil Face	C	Y										
Floor	All	Concrete (poured)		Vinyl Floor Tile and Mastic	D	N										
Floor	All	Laminate			A	Y										
Floor	All	Floor Levelling Compound, Under 12" x 12" Grey with black streaks		Mastic	D	N		125			SF	V0000	Non-Asbestos		None	
Floor	All	Mastic, Under 12" x 12" Grey with black streaks		Vinyl Floor Tile	D	N		125			SF	V0000	Non-Asbestos		None	
Floor	All	Vinyl Floor Tile, 12" x 12" Grey with black streaks			A	Y		125(7)			SF	S0030A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Mechanical Equipment	All	Fibreglass		Foil Face	C	Y										
Piping	All	Parging Cement	Elbow	Canvas	A	Y		2(5)			EA	S0031ABC	Chrysotile	25-50%	Confirmed Asbestos	F
Piping	All	Aircell	Straight	Canvas	A	Y		20(5)			LF	S0032ABC	Chrysotile	25-50%	Confirmed Asbestos	F
Piping	All	Not Insulated			C	Y										
Structure	Beam	Steel		Paint	D	N		200			SF					
Structure	Deck	Steel			D	N										
Wall	All	Concrete (precast)		Paint	A	Y		1000			SF					
Wall	All	Metal, Metal rails		Paint	A	Y		40			SF					
Wall	All	Metal, Metal trim door frame		Paint	A	Y		70			SF					
Wall	All	Paint, On concrete block			A	Y		1000			SF	S0033D	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #8324 : Stage
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125C
Last Re-Assessment: 0000-00-00

Area (sqft): 800

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Metal	40		SF	L0014	White on metal rails	Pb: 0.24 %	Lead (High)	
Wall	Metal	70		SF	L0013	Black/white on metal trim	Pb: <0.50 %	Lead (Low)	
Wall	Concrete (precast)	1000		SF	V0010	White	Pb: 0.034 %	Lead (Low)	
Structure	Metal	200		SF	V0005	Red	Pb: 5.3 %	Lead (High)	

Client: Hamilton-Wentworth District School Board
Location: #8324 : Stage

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125C

Area (sqft): 800

Survey Date: 2024-03-13

Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #8324 : Stage
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125C
Last Re-Assessment: 0000-00-00

Area (sqft): 800

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts	100	%	V0000	T8		No

Client: Hamilton-Wentworth District School Board
Location: #8325 : Gym
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125
Last Re-Assessment: 0000-00-00

Area (sqft): 3000

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Cement Product, Transite 24" x 24" Smooth			C	Y		3000(7)			SF	V0037	Chrysotile	10-25%	Confirmed Asbestos	NF
Duct	All	Textile, Vibration damper			C	Y		2			EA	S0004ABC	None Detected	N.D.	None	
Duct	All	Not Insulated			D	N										
Floor	All	Concrete (poured)		Vinyl Floor Tile and Mastic	D	N										
Floor	All	Floor Levelling Compound, Under 12" x 12" Grey with black streaks		Mastic	D	N		3000			SF	V0000	Non-Asbestos		None	
Floor	All	Mastic, Under 12" x 12" Grey with black streaks		Vinyl Floor Tile	D	N		3000			SF	V0000	Non-Asbestos		None	
Floor	All	Vinyl Floor Tile, 12" x 12" Grey with black streaks			A	Y		3000(7)			SF	S0030B	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Mechanical Equipment	All	Not Insulated			C	Y										
Piping	All	Not Insulated			D	N										
Structure	Beam	Steel		Paint	D	N		600			SF					
Structure	Deck	Metal			D	N										
Wall	All	Concrete (precast)		Paint	A	Y		4000			SF					
Wall	All	Metal, Metal trim door frame		Paint	A	Y		140			SF					
Wall	All	Paint, On Concrete			A	Y		2000			SF	S0005AB	None Detected	N.D.	None	
Wall	All	Paint, On concrete block			A	Y		2000			SF	S0033A	None Detected	N.D.	None	
Wall	Window	Caulking, Grey on interior			C	Y		300			LF	S0035A	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #8325 : Gym
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125
Last Re-Assessment: 0000-00-00

Area (sqft): 3000

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Structure	Metal	600		SF	L0005	Red	Pb: 5.3 %	Lead (High)	
Wall	Concrete (precast)	2600		SF	L0010	White	Pb: 0.034 %	Lead (Low)	
Wall	Concrete (precast)	1100		SF	L0011	Red	Pb: 0.039 %	Lead (Low)	
Wall	Concrete (precast)	300		SF	L0012	Black	Pb: 0.039 %	Lead (Low)	
Wall	Metal	140		SF	V0013	Black/white on metal trim	Pb: <0.50 %	Lead (Low)	

Client: Hamilton-Wentworth District School Board
Location: #8325 : Gym
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125
Last Re-Assessment: 0000-00-00

Area (sqft): 3000

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #8325 : Gym
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125
Last Re-Assessment: 0000-00-00

Area (sqft): 3000

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #8325 : Gym
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125
Last Re-Assessment: 0000-00-00

Area (sqft): 3000

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Caulking	300	LF	P0005	Grey on interior	<0.2 mg/kg	No
Light Ballasts	100	%	V0000	T8		No

Client: Hamilton-Wentworth District School Board
Location: #8326 : Boys Washroom
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125D
Last Re-Assessment: 0000-00-00

Area (sqft): 125

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Cement Product, Transite 24" x 24" Smooth			C	Y		125(7)			SF	S0037C	Chrysotile	10-25%	Confirmed Asbestos	NF
Duct	All	Not Insulated			D	N										
Floor	All	Terrazzo, Beige			A	Y		125			SF	S0034A	None Detected	N.D.	None	
Mechanical Equipment	All	None Found														
Piping	All	Not Insulated			A	Y										
Structure	Beam	Steel		Paint	D	N		25			SF					
Structure	Deck	Steel			D	N										
Structure	Deck	Concrete (poured)			D	N										
Wall	All	Concrete (precast)		Paint	A	Y		250			SF					
Wall	All	Paint, On concrete block			A	Y		250			SF	V0033	None Detected	N.D.	None	
Wall	Window	Caulking, Grey on interior			A	Y		40			LF	S0035C	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #8326 : Boys Washroom
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125D
Last Re-Assessment: 0000-00-00

Area (sqft): 125

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Concrete (precast)	250		SF	V0010	White	Pb: 0.034 %	Lead (Low)	
Structure	Metal	25		SF	V0005	Red	Pb: 5.3 %	Lead (High)	

Client: Hamilton-Wentworth District School Board
Location: #8326 : Boys Washroom
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125D
Last Re-Assessment: 0000-00-00

Area (sqft): 125

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #8326 : Boys Washroom
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125D
Last Re-Assessment: 0000-00-00

Area (sqft): 125

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Caulking	40	LF	V0005	Grey on interior	<0.2 mg/kg	No
Light Ballasts	100	%	V0000	T8		No

Client: Hamilton-Wentworth District School Board
Location: #8327 : Office
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125E
Last Re-Assessment: 0000-00-00

Area (sqft): 125

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Cement Product, Transite 24" x 24" Pinholes			C	Y		125(7)			SF	S0036AB	Chrysotile	10-25%	Confirmed Asbestos	NF
Duct	All	Not Insulated			D	N										
Floor	All	Concrete (poured)		Vinyl Floor Tile and Mastic	D	N										
Floor	All	Floor Levelling Compound, Under 12" x 12" Grey with black streaks		Mastic	D	N		125			SF	V0000	Non-Asbestos		None	
Floor	All	Mastic, Under 12" x 12" Grey with black streaks		Vinyl Floor Tile	D	N		125			SF	V0000	Non-Asbestos		None	
Floor	All	Vinyl Floor Tile, 12" x 12" Grey with black streaks			A	Y		125(7)			SF	S0030C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Mechanical Equipment	All	None Found														
Piping	All	Not Insulated			A	Y										
Structure	Beam	Steel		Paint	D	N		25			SF					
Structure	Deck	Steel			D	N										
Structure	Deck	Concrete (poured)			D	N										
Wall	All	Concrete (precast)		Paint	A	Y		250			SF					
Wall	All	Paint, On concrete block			A	Y		250			SF	V0033	None Detected	N.D.	None	
Wall	Window	Caulking, Grey on interior			A	Y		40			LF	S0035B	None Detected	N.D.	None	

Kitchen

Client: Hamilton-Wentworth District School Board
Location: #8327 : Office
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125E
Last Re-Assessment: 0000-00-00

Area (sqft): 125

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Structure	Metal	25		SF	V0005	Red	Pb: 5.3 %	Lead (High)	
Wall	Concrete (precast)	250		SF	V0010	White	Pb: 0.034 %	Lead (Low)	

Kitchen

Client: Hamilton-Wentworth District School Board
Location: #8327 : Office
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125E
Last Re-Assessment: 0000-00-00

Area (sqft): 125

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Kitchen

Client: Hamilton-Wentworth District School Board
Location: #8327 : Office
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125E
Last Re-Assessment: 0000-00-00

Area (sqft): 125

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts	100	%	V0000	T8		No
Caulking	40	LF	V0005	Grey on interior	<0.2 mg/kg	No

Kitchen

Client: Hamilton-Wentworth District School Board
Location: #8328 : Vestibule
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125F
Last Re-Assessment: 0000-00-00

Area (sqft): 150

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Cement Product, Transite 24" x 24" Pinholes			C	Y		150(7)			SF	V0036	Chrysotile	10-25%	Confirmed Asbestos	NF
Duct	All	Not Insulated			D	N										
Floor	All	Terrazzo, Beige			A	Y		150			SF	S0034B	None Detected	N.D.	None	
Mechanical Equipment	All	None Found														
Piping	All	Not Insulated			D	N										
Structure	Beam	Steel		Paint	D	N		30			SF					
Structure	Deck	Steel			D	N										
Structure	Deck	Concrete (poured)			D	N										
Wall	All	Concrete (precast)		Paint	A	Y		300			SF					
Wall	All	Paint, On concrete block			A	Y		300			SF	S0033B	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #8328 : Vestibule
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125F
Last Re-Assessment: 0000-00-00

Area (sqft): 150

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Structure	Metal	30		SF	V0005	Red	Pb: 5.3 %	Lead (High)	
Wall	Concrete (precast)	300		SF	V0010	White	Pb: 0.034 %	Lead (Low)	

Client: Hamilton-Wentworth District School Board
Location: #8328 : Vestibule
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125F
Last Re-Assessment: 0000-00-00

Area (sqft): 150

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #8328 : Vestibule
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125F
Last Re-Assessment: 0000-00-00

Area (sqft): 150

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Client: Hamilton-Wentworth District School Board

Site: 25 Erindale Avenue, Hamilton, ON

Building Name: Rosedale Elementary School

Location: #8328 : Vestibule
Survey Date: 2024-03-13

Floor: 1

Room #: 125F
Last Re-Assessment: 0000-00-00

Area (sqft): 150

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts	100	%	V0000	T8		No

Client: Hamilton-Wentworth District School Board
Location: #8329 : Equipment
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125G
Last Re-Assessment: 0000-00-00

Area (sqft): 150

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Cement Product, Transite 24" x 24" Pinholes			C	Y		150(7)			SF	S0036C	Chrysotile	10-25%	Confirmed Asbestos	NF
Duct	All	Not Insulated			D	N										
Floor	All	Concrete (poured)		Vinyl Floor Tile and Mastic	D	N										
Floor	All	Floor Levelling Compound, Under 12" x 12" Grey with black streaks		Mastic	D	N		150			SF	V0000	Non-Asbestos		None	
Floor	All	Mastic, Under 12" x 12" Grey with black streaks		Vinyl Floor Tile	D	N		150			SF	V0000	Non-Asbestos		None	
Floor	All	Vinyl Floor Tile, 12" x 12" Grey with black streaks			A	Y		150(7)			SF	V0030	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Mechanical Equipment	All	None Found														
Piping	All	Not Insulated			A	Y										
Structure	Beam	Steel		Paint	D	N		30			SF					
Structure	Deck	Steel			D	N										
Structure	Deck	Concrete (poured)			D	N										
Wall	All	Concrete (precast)		Paint	A	Y		300			SF					
Wall	All	Paint, On concrete block			A	Y		300			SF	V0033	None Detected	N.D.	None	
Wall	Window	Caulking, Grey on interior			A	Y		40			LF	V0035	None Detected	N.D.	None	

Storage

Client: Hamilton-Wentworth District School Board
Location: #8329 : Equipment
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125G
Last Re-Assessment: 0000-00-00

Area (sqft): 150

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Structure	Metal	30		SF	V0005	Red	Pb: 5.3 %	Lead (High)	
Wall	Concrete (precast)	300		SF	V0010	White	Pb: 0.034 %	Lead (Low)	

Storage

Client: Hamilton-Wentworth District School Board
Location: #8329 : Equipment
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125G
Last Re-Assessment: 0000-00-00

Area (sqft): 150

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Storage

Client: Hamilton-Wentworth District School Board

Site: 25 Erindale Avenue, Hamilton, ON

Building Name: Rosedale Elementary School

Location: #8329 : Equipment

Floor: 1

Room #: 125G

Area (sqft): 150

Survey Date: 2024-03-13

Last Re-Assessment: 0000-00-00

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Caulking	40	LF	V0005	Grey on interior	<0.2 mg/kg	No
Light Ballasts	100	%	V0000	T8		No

Storage

Client: Hamilton-Wentworth District School Board
Location: #8330 : Girls Washroom
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125H
Last Re-Assessment: 0000-00-00

Area (sqft): 150

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Cement Product, Transite 24" x 24" Smooth			C	Y		150(7)			SF	S0037AB	Chrysotile	10-25%	Confirmed Asbestos	NF
Duct	All	Not Insulated			D	N										
Floor	All	Terrazzo, Beige			A	Y		150			SF	V0034	None Detected	N.D.	None	
Mechanical Equipment	All	None Found														
Piping	All	Not Insulated			A	Y										
Structure	Beam	Steel		Paint	D	N		30			SF					
Structure	Deck	Steel			D	N										
Structure	Deck	Concrete (poured)			D	N										
Wall	All	Concrete (precast)		Paint	A	Y		300			SF					
Wall	All	Paint, On concrete block			A	Y		300			SF	S0033C	None Detected	N.D.	None	
Wall	Window	Caulking, Grey on interior			A	Y		40			LF	V0035	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #8330 : Girls Washroom
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125H
Last Re-Assessment: 0000-00-00

Area (sqft): 150

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Structure	Metal	30		SF	V0005	Red	Pb: 5.3 %	Lead (High)	
Wall	Concrete (precast)	300		SF	V0010	White	Pb: 0.034 %	Lead (Low)	

Client: Hamilton-Wentworth District School Board
Location: #8330 : Girls Washroom
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125H
Last Re-Assessment: 0000-00-00

Area (sqft): 150

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #8330 : Girls Washroom
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 125H
Last Re-Assessment: 0000-00-00

Area (sqft): 150

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts	100	%	V0000	T8		No
Caulking	40	LF	V0005	Grey on interior	<0.2 mg/kg	No

Client: Hamilton-Wentworth District School Board
Location: #8347 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 116
Last Re-Assessment: 0000-00-00

Area (sqft): 800

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Ceiling Tiles (lay-in), 2' x 4' Irregular pinholes and small fissures, 08/15/17			C	Y		900			SF	V0000	Non-Asbestos		None	
Duct	All	Fibreglass		Foil Face	C	N										
Floor	All	Terrazzo, Beige			A	Y		900			SF	V0034	None Detected	N.D.	None	
Mechanical Equipment	All	None Found														
Piping	All	Fibreglass		Paper	C	N										
Piping	All	Not Insulated			C	N										
Structure	Deck	Concrete (poured)			C	N										
Wall	All	Concrete (precast)		Paint	A	Y		1200			SF					
Wall	All	Cement Product, Transite 24" x 24" Smooth			C	Y		400(7)			SF	V0037	Chrysotile	10-25%	Confirmed Asbestos	NF
Wall	All	Paint, On concrete			A	Y		600			SF	S0005C	None Detected	N.D.	None	
Wall	All	Paint, On concrete block			A	Y		600			SF	V0033	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #8347 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 116
Last Re-Assessment: 0000-00-00

Area (sqft): 800

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Concrete (precast)	1200		SF	V0010	White	Pb: 0.034 %	Lead (Low)	

Client: Hamilton-Wentworth District School Board
Location: #8347 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 116
Last Re-Assessment: 0000-00-00

Area (sqft): 800

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	3	EA	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #8347 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 116
Last Re-Assessment: 0000-00-00

Area (sqft): 800

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Thermostat	2	EA	V9000	Yes
Light Fixture	100	%	V0000	

Client: Hamilton-Wentworth District School Board
Location: #8347 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 116
Last Re-Assessment: 0000-00-00

Area (sqft): 800

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts	100	%	V0000	LED		No

Client: Hamilton-Wentworth District School Board
Location: #8354 : Mechanical Room
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 114
Last Re-Assessment: 0000-00-00

Area (sqft): 750

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Cement Product, Transite 24" x 24" Smooth			C	Y		750(7)			SF	V0037	Chrysotile	10-25%	Confirmed Asbestos	NF
Duct	All	Not Insulated			C	Y										
Floor	All	Concrete (poured)		Paint	A	Y		750			SF					
Mechanical Equipment	Boiler	Not Insulated			A	Y										
Mechanical Equipment	Domestic Hot Water Tank	Fibreglass		Metal	A	Y		1			EA					
Mechanical Equipment	Fan Unit	Not Insulated			A	Y										
Piping	All	Fibreglass		Paper	A	Y										
Piping	All	Not Insulated			A	Y										
Structure	Beam	Steel		Paint	D	N		150			SF					
Structure	Deck	Metal			D	N										
Wall	All	Paint, On concrete			A	Y		750			SF	S0005D	None Detected	N.D.	None	
Wall	All	Paint, On concrete block			A	Y		750			SF	S0033F	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #8354 : Mechanical Room
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 114
Last Re-Assessment: 0000-00-00

Area (sqft): 750

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Floor	Concrete (poured)	750		SF	L0015	Grey	Pb: 1.3 %	Lead (High)	
Wall	Concrete (precast)	1500		SF	V0010	White	Pb: 0.034 %	Lead (Low)	
Structure	Metal	150		SF	V0005	Red	Pb: 5.3 %	Lead (High)	

Client: Hamilton-Wentworth District School Board
Location: #8354 : Mechanical Room
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 114
Last Re-Assessment: 0000-00-00

Area (sqft): 750

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA	V9000	Yes
Batteries (other) ¹	1	EA	V9000	Yes

1 - Fire alarm control panel

Client: Hamilton-Wentworth District School Board

Site: 25 Erindale Avenue, Hamilton, ON

Building Name: Rosedale Elementary School

Location: #8354 : Mechanical Room
Survey Date: 2024-03-13

Floor: 1

Room #: 114
Last Re-Assessment: 0000-00-00

Area (sqft): 750

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V9000	Yes
Light Fixture	100	%	V0000	

Client: Hamilton-Wentworth District School Board

Site: 25 Erindale Avenue, Hamilton, ON

Building Name: Rosedale Elementary School

Location: #8354 : Mechanical Room
Survey Date: 2024-03-13

Floor: 1

Room #: 114
Last Re-Assessment: 0000-00-00

Area (sqft): 750

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts	100	%	V0000	T8 & LED		No
Transformer	1	EA	V0000	Dry type		No

Client: Hamilton-Wentworth District School Board
Location: #8355 : Boys Washroom
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 113
Last Re-Assessment: 0000-00-00

Area (sqft): 600

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Cement Product, Transite 24" x 24" Smooth			C	Y		600(7)			SF	V0037	Chrysotile	10-25%	Confirmed Asbestos	NF
Duct	All	Not Insulated			D	N										
Floor	All	Terrazzo, Beige			A	Y		600			SF	V0034	None Detected	N.D.	None	
Mechanical Equipment	All	None Found														
Piping	All	Not Insulated			A	Y										
Structure	Beam	Steel		Paint	D	N		120			SF					
Structure	Deck	Steel			D	N										
Wall	All	Concrete (precast)		Paint	D	N		1200			SF					
Wall	All	Drywall and joint compound, Installed 2020		Paint	A	Y		1000			SF	V0000	Non-Asbestos		None	
Wall	All	Drywall and joint compound, Installed 2020		Ceramic Tiles	D	N		200			SF	V0000	Non-Asbestos		None	
Wall	All	Ceramic Tiles			A	Y		200			SF					
Wall	All	Paint, On concrete block		Drywall and joint compound	D	N		1200			SF	V0033	None Detected	N.D.	None	
Wall	All	Mortar, Thinset, Installed 2020		Ceramic Tiles	D	N		200			SF	V0000	Non-Asbestos		None	

Client: Hamilton-Wentworth District School Board
Location: #8355 : Boys Washroom
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 113
Last Re-Assessment: 0000-00-00

Area (sqft): 600

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Structure	Metal	120		SF	V0005	Red	Pb: 5.3 %	Lead (High)	
Wall	Concrete (precast)	1200		SF	V0010	White	Pb: 0.034 %	Lead (Low)	
Wall	Drywall and joint compound	1000		SF	V0016	Beige/white	Pb: <0.00023 %	No	

Client: Hamilton-Wentworth District School Board
Location: #8355 : Boys Washroom
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 113
Last Re-Assessment: 0000-00-00

Area (sqft): 600

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9000	Yes

Client: Hamilton-Wentworth District School Board

Site: 25 Erindale Avenue, Hamilton, ON

Building Name: Rosedale Elementary School

Location: #8355 : Boys Washroom
Survey Date: 2024-03-13

Floor: 1

Room #: 113
Last Re-Assessment: 0000-00-00

Area (sqft): 600

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V0000	

Client: Hamilton-Wentworth District School Board

Site: 25 Erindale Avenue, Hamilton, ON

Building Name: Rosedale Elementary School

Location: #8355 : Boys Washroom
Survey Date: 2024-03-13

Floor: 1

Room #: 113
Last Re-Assessment: 0000-00-00

Area (sqft): 600

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts	100	%	V0000	LED		No

Client: Hamilton-Wentworth District School Board
Location: #8358 : Custodial Room
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 112
Last Re-Assessment: 0000-00-00

Area (sqft): 550

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Ceiling Tiles (lay-in), 2' x 4' Irregular pinholes and small fissures, 08/15/17			C	Y		550			SF	V0000	Non-Asbestos		None	
Duct	All	Not Insulated			C	N										
Floor	All	Concrete (poured)		Vinyl Floor Tile and Mastic	D	N										
Floor	All	Vinyl Floor Tile and Mastic, 12" x 12" Various colours, installed 2020			A	Y		550			SF	V0000	Non-Asbestos		None	
Mechanical Equipment	All	None Found														
Piping	All	Not Insulated			A	Y										
Structure	Beam	Steel		Paint	C	N		110			SF					
Structure	Deck	Steel			C	N										
Wall	All	Concrete (precast)		Paint	D	N		1100			SF					
Wall	All	Paint, On concrete block			A	Y		1100			SF	S0033E	None Detected	N.D.	None	

Client: Hamilton-Wentworth District School Board
Location: #8358 : Custodial Room
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 112
Last Re-Assessment: 0000-00-00

Area (sqft): 550

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Structure	Metal	110		SF	V0005	Red	Pb: 5.3 %	Lead (High)	
Wall	Concrete (precast)	1100		SF	V0010	White	Pb: 0.034 %	Lead (Low)	

Client: Hamilton-Wentworth District School Board
Location: #8358 : Custodial Room
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 112
Last Re-Assessment: 0000-00-00

Area (sqft): 550

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9000	Yes

Client: Hamilton-Wentworth District School Board
Location: #8358 : Custodial Room
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 112
Last Re-Assessment: 0000-00-00

Area (sqft): 550

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V0000	

Client: Hamilton-Wentworth District School Board
Location: #8358 : Custodial Room
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 112
Last Re-Assessment: 0000-00-00

Area (sqft): 550

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts	100	%	V0000	LED		No

Client: Hamilton-Wentworth District School Board
Location: #8361 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 101A
Last Re-Assessment: 0000-00-00

Area (sqft): 1100

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Ceiling Tiles (lay-in), 2' x 4' Irregular pinholes and small fissures, 08/15/17			C	Y		700			SF	V0000	Non-Asbestos		None	
Duct	All	Fibreglass		Foil Face	C	N										
Floor	All	Concrete (poured)		Vinyl Floor Tile and Mastic	D	N		400			SF					
Floor	All	Vinyl Floor Tile and Mastic, 12" x 12" Various colours, installed 2020			A	Y		400			SF	V0000	Non-Asbestos		None	
Mechanical Equipment	All	None Found														
Piping	All	Fibreglass		Paper	C	N										
Piping	All	Not Insulated			C	N										
Structure	Beam	Steel		Paint	C	N		220			SF					
Structure	Deck	Steel			C	N										
Structure	Deck	Concrete (poured)			C	N										
Wall	All	Concrete (precast)		Paint	A	Y		1600			SF					
Wall	All	Drywall and joint compound, Installed 2020		Paint	A	Y		600			SF	V0000	Non-Asbestos		None	
Wall	All	Paint, On concrete			A	Y		500			SF	V0005	None Detected	N.D.	None	
Wall	All	Paint, On concrete block			A	Y		500			SF	V0033	None Detected	N.D.	None	
Wall	All	Paint, On concrete block		Drywall and joint compound	D	N		600			SF	V0033	None Detected	N.D.	None	

Includes 111B, 111C and 112B

Client: Hamilton-Wentworth District School Board
Location: #8361 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 101A
Last Re-Assessment: 0000-00-00

Area (sqft): 1100

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Drywall and joint compound	600		SF	L0016	Beige/white	Pb: <0.00023 %	No	
Wall	Concrete (precast)	1600		SF	V0010	White	Pb: 0.034 %	Lead (Low)	
Structure	Metal	220		SF	V0005	Red	Pb: 5.3 %	Lead (High)	

Includes 111B, 111C and 112B

Client: Hamilton-Wentworth District School Board
Location: #8361 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 101A
Last Re-Assessment: 0000-00-00

Area (sqft): 1100

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA	V9000	Yes

Includes 111B, 111C and 112B

Client: Hamilton-Wentworth District School Board
Location: #8361 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 101A
Last Re-Assessment: 0000-00-00

Area (sqft): 1100

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V0000	

Includes 111B, 111C and 112B

Client: Hamilton-Wentworth District School Board
Location: #8361 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 101A
Last Re-Assessment: 0000-00-00

Area (sqft): 1100

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts	100	%	V0000	LED		No

Includes 111B, 111C and 112B

Client: Hamilton-Wentworth District School Board
Location: #8362 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 101
Last Re-Assessment: 0000-00-00

Area (sqft): 1800

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Ceiling Tiles (lay-in), 2' x 4' Irregular pinholes and small fissures, 08/15/17			C	Y		1800			SF	V0000	Non-Asbestos		None	
Duct	All	Fibreglass		Foil Face	C	N										
Floor	All	Terrazzo, Beige			A	Y		1800			SF	V0034	None Detected	N.D.	None	
Mechanical Equipment	All	None Found														
Piping	All	Fibreglass		Paper	C	N										
Piping	All	Not Insulated			C	N										
Structure	Beam	Steel		Paint	C	N		360			SF					
Structure	Deck	Steel			C	N										
Structure	Deck	Concrete (poured)			C	N										
Wall	All	Concrete (precast)		Paint	A	Y		3000			SF					
Wall	All	Cement Product, Transite 24" x 24" Smooth			C	Y		600(7)			SF	V0037	Chrysotile	10-25%	Confirmed Asbestos	NF
Wall	All	Paint, On concrete block			A	Y		3000			SF	S0033G	None Detected	N.D.	None	

Only includes area anticipated to be impacted

Client: Hamilton-Wentworth District School Board
Location: #8362 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 101
Last Re-Assessment: 0000-00-00

Area (sqft): 1800

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Structure	Metal	360		SF	V0005	Red	Pb: 5.3 %	Lead (High)	
Wall	Concrete (precast)	3000		SF	V0010	White	Pb: 0.034 %	Lead (Low)	

Only includes area anticipated to be impacted

Client: Hamilton-Wentworth District School Board
Location: #8362 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 101
Last Re-Assessment: 0000-00-00

Area (sqft): 1800

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
	3	EA	V9000	Yes

Only includes area anticipated to be impacted

Client: Hamilton-Wentworth District School Board
Location: #8362 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 101
Last Re-Assessment: 0000-00-00

Area (sqft): 1800

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V0000	

Only includes area anticipated to be impacted

Client: Hamilton-Wentworth District School Board
Location: #8362 : Corridor
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 101
Last Re-Assessment: 0000-00-00

Area (sqft): 1800

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts	100	%	V0000	LED		No

Only includes area anticipated to be impacted

Client: Hamilton-Wentworth District School Board
Location: #8363 : Change Rooms
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 110B
Last Re-Assessment: 0000-00-00

Area (sqft): 900

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	Ceiling Tiles (lay-in), 2' x 4' Irregular pinholes and small fissures, 08/15/17			C	Y		900			SF	V0000	Non-Asbestos		None	
Duct	All	Fibreglass		Foil Face	C	N										
Floor	All	Concrete (poured)		Vinyl Floor Tile and Mastic	D	N		900			SF					
Floor	All	Vinyl Floor Tile and Mastic, 12" x 12" Various colours, installed 2020			A	Y		900			SF	V0000	Non-Asbestos		None	
Mechanical Equipment	All	None Found														
Piping	All	Fibreglass		Paper	C	N										
Piping	All	Not Insulated			C	N										
Structure	Beam	Steel		Paint	C	N		180			SF					
Structure	Deck	Steel			C	N										
Structure	Deck	Concrete (poured)			C	N										
Wall	All	Concrete (precast)		Paint	D	N		1800			SF					
Wall	All	Drywall and joint compound, Installed 2020		Paint	A	Y		1800			SF	V0000	Non-Asbestos		None	
Wall	All	Paint, On concrete block		Drywall and joint compound	D	N		1800			SF	V0033	None Detected	N.D.	None	
Wall	Base	Adhesive/mastic, Clear mastic on black rubber baseboards, installed 2020		Rubber	D	N		90			LF	V0000	Non-Asbestos		None	
Wall	Base	Rubber, Black baseboards			A	Y		90			LF					

Includes 110D

Client: Hamilton-Wentworth District School Board
Location: #8363 : Change Rooms
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 110B
Last Re-Assessment: 0000-00-00

Area (sqft): 900

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Drywall and joint compound	1800		SF	V0016	Beige/white	Pb: <0.00023 %	No	
Wall	Concrete (precast)	1800		SF	V0010	White	Pb: 0.034 %	Lead (Low)	
Structure	Metal	180		SF	V0005	Red	Pb: 5.3 %	Lead (High)	

Includes 110D

Client: Hamilton-Wentworth District School Board
Location: #8363 : Change Rooms
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 110B
Last Re-Assessment: 0000-00-00

Area (sqft): 900

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V0000	

Includes 110D

Client: Hamilton-Wentworth District School Board
Location: #8363 : Change Rooms
Survey Date: 2024-03-13

Site: 25 Erindale Avenue, Hamilton, ON
Floor: 1

Building Name: Rosedale Elementary School
Room #: 110B
Last Re-Assessment: 0000-00-00

Area (sqft): 900

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts	100	%	V0000	LED		No

Includes 110D

Legend:



Sample number		Units		Other	
S####	Asbestos sample collected	SF	Square feet	A	Access
L####	Paint sample collected	LF	Linear feet	V	Visible
P####	PCB sample collected	EA	Each	AP	Air Plenum
M####	Mould sample collected	%	Percentage	F	Friable material
V####	Material is visually identified to be identical to S####	LF	Linear feet	NF	Non Friable material
V0000	Known non hazardous material			PF	Potentially Friable material
V9000	Material visually identified as a Hazardous Material			Pb	Lead
V9500	Material is presumed to be a hazardous material			Hg	Mercury
				As	Arsenic
				Cr	Chromium

Access	
A	Accessible to all building occupants
B	Accessible to maintenance and operations staff without a ladder
C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas
D	Not normally accessible

Condition	
Good	No visible damage or deterioration
Fair	Minor, repairable damage, cracking, delamination or deterioration
Poor	Irreparable damage or deterioration with exposed and missing material

Visible	
Y	The material is visible when standing on the floor of the room, without the removal or opening of other building components (e.g. ceiling tiles or access panels).
N	The material is not visible to view when standing on the floor of the room and requires the removal of a building component (e.g. ceilings tiles or access panels) to view and access. Includes rarely entered crawlspaces, attic spaces, etc. Observations will be limited to the extent visible from the access points.

Air Plenum	
Yes or No	The material is in a return air plenum or in a direct airstream or there is evidence of air erosion (e.g. duct for heating or cooling blowing directly on or across an ACM). This field is only completed where Air Plenum consideration is required by regulation.

Colour Coding	
	The material is known to contain regulated concentrations of asbestos; either by analytical results or visible identification (use of the V9000 code).
	The material is presumed to contain asbestos; based on visual appearances; typically a material known to historically contain asbestos; however, not sampled due to limited access or the destructive nature of the sampling.

Action					
(1)	Clean up of ACM Debris	(2)	Precautions for Access Which may Disturb ACM Debris	(3)	ACM removal
(4)	Precautions for Work Which may Disturb ACM in Poor Condition	(5)	Proactive ACM removal (Minimum repair required for fair condition)	(6)	ACM repair
(7)	Management program and surveillance				