



February 26, 2024

Kawartha Pine Ridge District School Board  
1994 Fisher Drive  
Peterborough, ON K9J 7A1

**Re: Hazardous Building Materials Assessment (Preconstruction)**  
Classroom Refresh, Classrooms 4, 5, 6 and 7  
Kawartha Heights Public School, 11 Kawartha Heights Boulevard, Peterborough, ON  
Pinchin File: 335495.013

Kawartha Pine Ridge District School Board (KPRDSB, Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment of Kawartha Heights Public School located at 11 Kawartha Heights Boulevard, Peterborough, Ontario.

Pinchin performed the assessment on December 28, 2023. The assessor was unaccompanied during the assessment. The assessed areas were unoccupied at the time of the assessment.

The objective of the assessment was to identify specified hazardous building materials in preparation for the upcoming Classroom Refresh Program, which includes Classrooms 4, 5, 6 and 7 (Locations 13, 10, 26, and 30).

Detailed renovation plans were not available to Pinchin at the time of the assessment. As such, Pinchin assessed all interior finishes and building system components within Classrooms 4, 5, 6 and 7 (Locations 13, 10, 26, and 30) as part of this assessment.

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

The **assessed area** is limited to the portion 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 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 and Water Damage

Arsenic, acrylonitrile, benzene, coke oven emissions, ethylene oxide, isocyanates and vinyl chloride monomer are not typically found in building materials in a composition/state that is hazardous and were not included in this assessment.

## **1.0 RECOMMENDATIONS**

### **1.1 General**

Prepare 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.

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.

Conduct further investigation of the following items, areas, or locations, which were not completed during this assessment:

- Conduct intrusive investigation to assess behind wall-mounted bulletin boards and blackboards for mastic/adhesives to be sampled for asbestos content, if any.

Provide this report and the detailed plans and specifications to the contractor prior to bidding or commencing work.

Retain a qualified consultant to specify, observe and document the successful removal of hazardous materials.

### **1.2 Building Renovation Work**

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

#### *1.2.1 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.



*1.2.2 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.

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

*1.2.3 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.

*1.2.4 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.

*1.2.5 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.

*1.2.6 Mould and Water Damage*

Mould growth was not observed in areas affected by the planned work.

**2.0 BACKGROUND INFORMATION**

**2.1 Assessed Area Description Summary**

Description Item	Details
Building Use	Elementary School
Floors Above Grade	One
Floors Below Grade	N/A
Total Area Assessed (square feet)	~2,700
Year of Construction	1958 (Classrooms 5, 6, 7)



Description Item	Details
Additions	1968 (Classroom 4)
Structure	Structural steel and concrete
Exterior Cladding	Brick, and pre-cast concrete (not included in scope)
HVAC	Boiler and hot water heating to radiators
Roof	Built-up roofing (not included in scope)
Flooring	Vinyl floor tiles
Wall and Ceiling Finishes	Drywall, concrete block, wallboard, wood and texture coat

## 2.2 Existing Reports

### 2.2.1 Review of Previous Reports

Pinchin reviewed the following reports and included relevant results as appropriate:

- “Asbestos Assessment, Kawartha Pine Ridge District School Board, Kawartha Heights Public School, 11 Kawartha Heights Boulevard, Peterborough, Ontario”, dated July 21, 2011, Pinchin File 59723.
- “Asbestos Assessment, Kawartha Heights Public School, 11 Kawartha Heights Boulevard, Peterborough, Ontario”, dated May 30, 2018, Pinchin File 217434.
- “Asbestos-Containing Materials Reassessment, Kawartha Heights Public School, 11 Kawartha Heights Boulevard, Peterborough, ON” dated August 31, 2023, Pinchin File 315813.

## 3.0 FINDINGS

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

### 3.1 Asbestos

The following table summarizes the materials evaluated for asbestos in the assessed area. 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.

Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Total Quantity Present	Notes
S0018 ABC	Floor   12"x12" Vinyl Floor Tile (White with Grey Fleck) and Mastic	None Detected	No	700 SF	



**Hazardous Building Materials Assessment (Preconstruction)**

Kawartha Heights Public School, 11 Kawartha Heights Boulevard, Peterborough, ON  
 Kawartha Pine Ridge District School Board

February 26, 2024  
 Pinchin File: 335495.013

Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Total Quantity Present	Notes
<b>S0019 ABC</b>	<b>Structure   Texture Coat</b>	<b>Chrysotile</b>	<b>Yes</b>	<b>100 SF</b>	<b>Texture coat on concrete beams on ceilings the deck and columns in the 1968 Phase of Construction</b>
S0020 ABC	Wall   Mastic behind vinyl baseboards	None Detected	No	50 SF	1968 Construction Phase
S0021 ABC	Wall   White paint on masonry	None Detected	No	800 SF	1968 Construction Phase
S0022 ABC	Other   Grey caulking on wood bench	None Detected	No	30 LF	1968 Construction Phase
S0023 ABC	Floor   12"x12" Vinyl Floor Tile (white with grey fleck) and Mastic	None Detected	No	2,000 SF	1958 Construction Phase. <b>See Site Specific Note #3</b>
<b>S0023 A, phase c</b>	<b>Floor   Levelling Compound</b>	<b>Presumed Asbestos</b>	<b>Yes</b>	<b>2,000 SF</b>	1958 Construction Phase. <b>See Site Specific Note #3</b>
<b>S0024 ABC</b>	<b>Structure   Texture Coat</b>	<b>Chrysotile</b>	<b>Yes</b>	<b>300 SF</b>	<b>Texture coat on concrete beams on the deck and columns in the 1958 Construction Phase</b>
S0025 ABC	Wall   Off-white Mastic behind vinyl baseboards	None Detected	No	150 SF	1958 Construction Phase.
S0026 ABC	Wall   White paint on masonry	None Detected	No	800 SF	1958 Construction Phase.
S0027 ABC	Other   Grey sink mastic	None Detected	No	3 SF	Sink in Classroom 6 (Loc. 26)
S0028 ABC	Other   Grey caulking along windows	None Detected	No	150 LF	1958 Construction Phase.
S0029 ABC	Wall   White paint on masonry	None Detected	No	800 SF	1958 Construction Phase.
S0030 ABC	Wall   Paint   White paint on masonry	None Detected	No	800 SF	1958 Construction Phase.
S0031 ABC	Wall   Drywall joint compound	None Detected	No	40 SF	Classroom 6 (Loc. 26). Panel under coat racks.



## Hazardous Building Materials Assessment (Preconstruction)

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Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Total Quantity Present	Notes
S0032 ABC	Other   Mastic from baseboards	<0.5% Chrysotile	No	100 LF	Classroom 7 (Loc. 30). See Site Specific Note #4
V9500	Piping   Parging Cement	Presumed Asbestos	Yes	24 EA	See Site Specific Note #2
V9500	Piping   Thermal Insulation	Presumed Asbestos	Yes	120 LF	See Site Specific Note #2
V9500	Wall   Adhesive/mastic	Presumed Asbestos	Yes	24 EA	Mastic pucks assumed present behind chalkboard and tackboard

### Site Specific Notes:

1. Destructive testing was conducted of masonry block walls, including drilling at perimeter walls at seven locations throughout the Classrooms. The locations of destructive testing have been indicated on the drawings in Appendix I. Loose fill vermiculite was not observed within the cavities of perimeter masonry block wall.
2. Piping is visible in each Classroom within the assessed area and enters the inaccessible space behind wood and millwork within each room. This piping is presumed to provide hot water to radiators on the perimeter wall of each room. Exposed insulation and asbestos-containing parging cement was removed in 2016, but may still be present where concealed by wood and millwork. Pipes insulated with asbestos-containing insulations may also be present in inaccessible spaces such as above solid ceilings, in chases, in column enclosures and within shafts.
3. Floor levelling compound was detected in samples S0023A, phase c. As per Ontario Regulation 278/05, three samples of this material are required in order to determine a definitive negative result. As such, the levelling compound beneath 12"x12" vinyl floor tiles is presumed to contain asbestos unless additional samples are collected and proven otherwise by laboratory analysis.
4. Trace amounts of chrysotile asbestos (<0.5%) were detected in the sample. Asbestos-containing materials are defined as those containing 0.5% or more asbestos by weight as per Ontario Regulation 278/05. As such, this material is not considered an asbestos-containing material.



**General Notes:**

1. Materials identified as Sample Number V9500 were either observed to be present or based on the construction of the building/equipment are likely present in concealed locations. These materials have not been sampled and are presumed to contain asbestos based on historical known use of asbestos. Sampling of these materials may be completed prior to disturbance.

**3.1.1 Excluded Asbestos Materials**

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

- Electrical components
- Sealants on pipe threads

**3.2 Lead**

Refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI for details on locations, condition and approximate quantities on paints sampled and their locations.

The following table summarizes the analytical results of paints sampled.

Sample Number	Material Description	Concentration	Confirmed Hazard	Total Quantity Present	Notes
L0001	Structure   White on concrete (precast) structure	0.00050%	No	200 SF	
L0002	Wall   Concrete (poured)   White on masonry	0.0076%	No	800 SF	
L0003	Wall   White on wood	0.0029%	No	100 SF	
L0004	Wall   White on concrete (precast) structure	0.0015%	No	300 SF	
L0005	Wall   Concrete (poured)   White on masonry	0.00035%	No	2,400 SF	
L0006	Wall   White on wood	0.00052%	No	210 SF	
L0007	Wall   White on drywall	0.0014%	No	10 SF	

**Site Specific Notes:**

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



### 3.2.1 Lead Products

Lead containing devices are not present in the assessed area.

### 3.2.2 Excluded Lead Materials

Lead may be present in a number of materials which were not assessed and/or sampled. The following materials, where found, should be considered to contain lead.

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

### 3.3 Silica

Crystalline silica is a presumed component of the following materials:

- Poured and pre-cast concrete
- Masonry and mortar
- Drywall

### 3.4 Mercury

Refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI for details on mercury-containing products including their locations and quantities.

Sample Number	Material Description	Confirmed Hazard	Total Quantity Present	Notes
V9000	Light Fixture	Yes	56 EA	Light tubes

#### General Notes:

1. Items identified as Sample Number V9000 were observed to be present and were determined to contain mercury based on visual observation (e.g., labelled lamps).

### 3.5 Polychlorinated Biphenyls

Refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI for details on PCB-products including their locations and quantities.

Sample Number	Material Description	Concentration	Confirmed Hazard	Total Quantity Present	Notes
P0001	Grey Caulking On Wood Bench	<0.2mg/kg	No	30 LF	





Sample Number	Material Description	Concentration	Confirmed Hazard	Total Quantity Present	Notes
P0002	Grey Caulking Along Windows	<0.2mg/kg	No	150 LF	
V0000	Light Ballasts	N/A	No	56 EA	T8 ballasts will not contain PCB

**General Notes:**

1. Caulking highlighted in the table above is not considered a PCB solid based on the threshold (50 mg/kg).
2. Materials identified as Sample Number V0000 were determined to be non-PCB based on previous analytical results, the manufacture date and regulated restrictions of PCBs. It can also include items that historically may have contained PCBs; however, have been visually identified as non-PCB types (e.g., LED light fixtures).

**3.5.1 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

**3.6 Mould and Water Damage**

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

**4.0 METHODOLOGY**

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

The assessment did not include demolition of wall finishes (drywall) to view concealed conditions at representative areas as permitted by the current building use.

The assessment included demolition of masonry block walls (core holes) to investigate for loose fill vermiculite.

Limited destructive testing of flooring was conducted where possible (under vinyl floor tiles). Limited demolition of masonry block walls (core holes) was conducted to investigate for loose fill vermiculite insulation Demolition of exterior building finishes, masonry walls (chases, shafts etc.), and structural surrounds was not conducted.



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

## **5.0 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.
11. Consolidated Transportation of Dangerous Goods Regulations, including Amendment SOR/2019-101, Transportation of Dangerous Goods Act.
12. Mould Guidelines for the Canadian Construction Industry, Standard Construction Document CCA 82 – 2004 (Revised 2018), Canadian Construction Association.

## **6.0 LIMITATIONS**

This work was performed subject to the Terms and Limitations presented or referenced in the Master Service Agreement for PUR19-006-RFP effective April 1, 2019, until March 31, 2024.

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 CLOSURE**

The data presented in the appendices is prepared by Pinchin's Hazardous Materials Inventory System (HMIS). The information contained within this report was current at the time of this report issue, and is provided as a summary; however, HMIS should be accessed for the most current data.

Contact the undersigned should you have any questions.

Sincerely,

**Pinchin Ltd.**

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|-------|---------------|---|
| Encl: | APPENDIX I    | Drawings  |
|       | APPENDIX II-A | Asbestos Analytical Certificates                |
|       | APPENDIX II-B | Lead Analytical Certificates                    |
|       | APPENDIX II-C | PCB Analytical Certificates                     |
|       | APPENDIX III  | Methodology                                     |
|       | APPENDIX IV   | Location Summary Report                         |
|       | APPENDIX V    | Hazardous Materials Summary Report / Sample Log |
|       | APPENDIX VI   | All Data Report                                 |
|       | APPENDIX VII  | Photographs                                     |

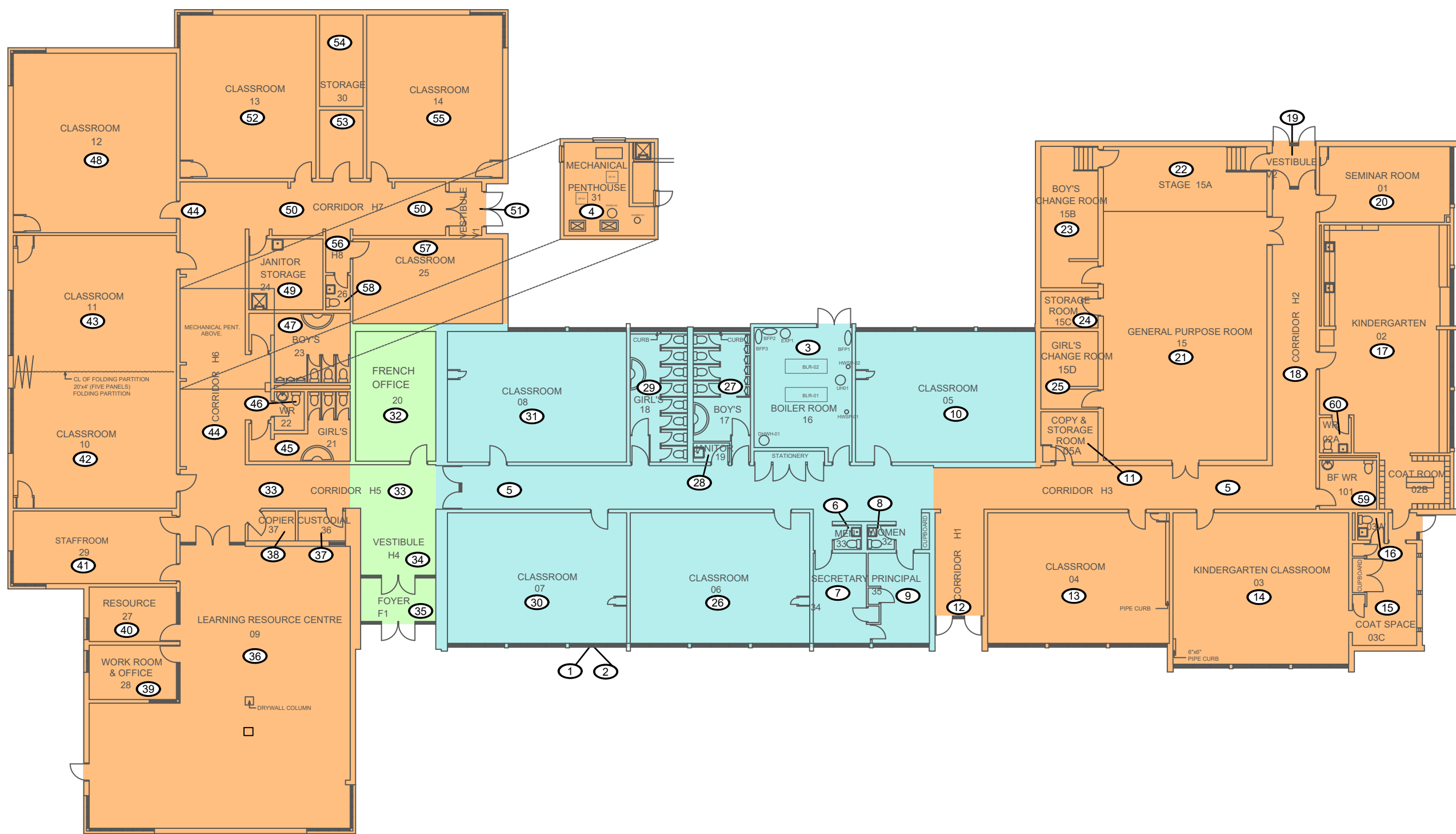
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Template: Master Template HBMA PreConstruction, HMIS, HAZ, April 18, 2023

**APPENDIX I**  
**Drawings**



**LEGEND**

-  PINCHIN LOCATION NUMBER
-  1958 PHASE OF CONSTRUCTION
-  1967 PHASE OF CONSTRUCTION
-  1968 PHASE OF CONSTRUCTION

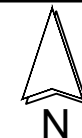


NOT ALL KNOWN OR SUSPECTED HAZARDOUS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

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



PROJECT NAME: <b>HAZARDOUS BUILDING MATERIALS ASSESSMENT</b>	
CLIENT NAME: <b>KAWARTHA PINE RIDGE DISTRICT SCHOOL BOARD</b>	
PROJECT LOCATION: <b>KAWARTHA HEIGHTS PUBLIC SCHOOL 11 KAWARTHA HEIGHTS BLVD PETERBOROUGH, ONTARIO</b>	
FIGURE NAME: <b>PHASE OF CONSTRUCTION GROUND FLOOR</b>	
PROJECT NUMBER: <b>335495.013</b>	SCALE: <b>NOT TO SCALE</b>
DRAWN BY: <b>KP</b>	REVIEWED BY: <b>CR</b>
DATE: <b>FEB. 2024</b>	FIGURE NUMBER: <b>1 OF 2</b>



**LEGEND**

- ASSESSED AREA
- OUTSIDE ASSESSMENT SCOPE
- X PINCHIN LOCATION NUMBER
- ⊙ ASBESTOS BULK SAMPLE
- ▲ LEAD BULK SAMPLE
- PCB BULK SAMPLE
- ASBESTOS-CONTAINING MATERIALS:
- TEXTURE COAT ON COLUMNS AND CEILINGS
- CHALKBOARD MASTICS
- PARGING CEMENT

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.

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BASE PLAN PROVIDED BY CLIENT.



PROJECT NAME:

**HAZARDOUS BUILDING MATERIALS ASSESSMENT**

CLIENT NAME:

**KAWARTHA PINE RIDGE DISTRICT SCHOOL BOARD**

PROJECT LOCATION:

**KAWARTHA HEIGHTS PUBLIC SCHOOL  
11 KAWARTHA HEIGHTS BLVD  
PETERBOROUGH, ONTARIO**

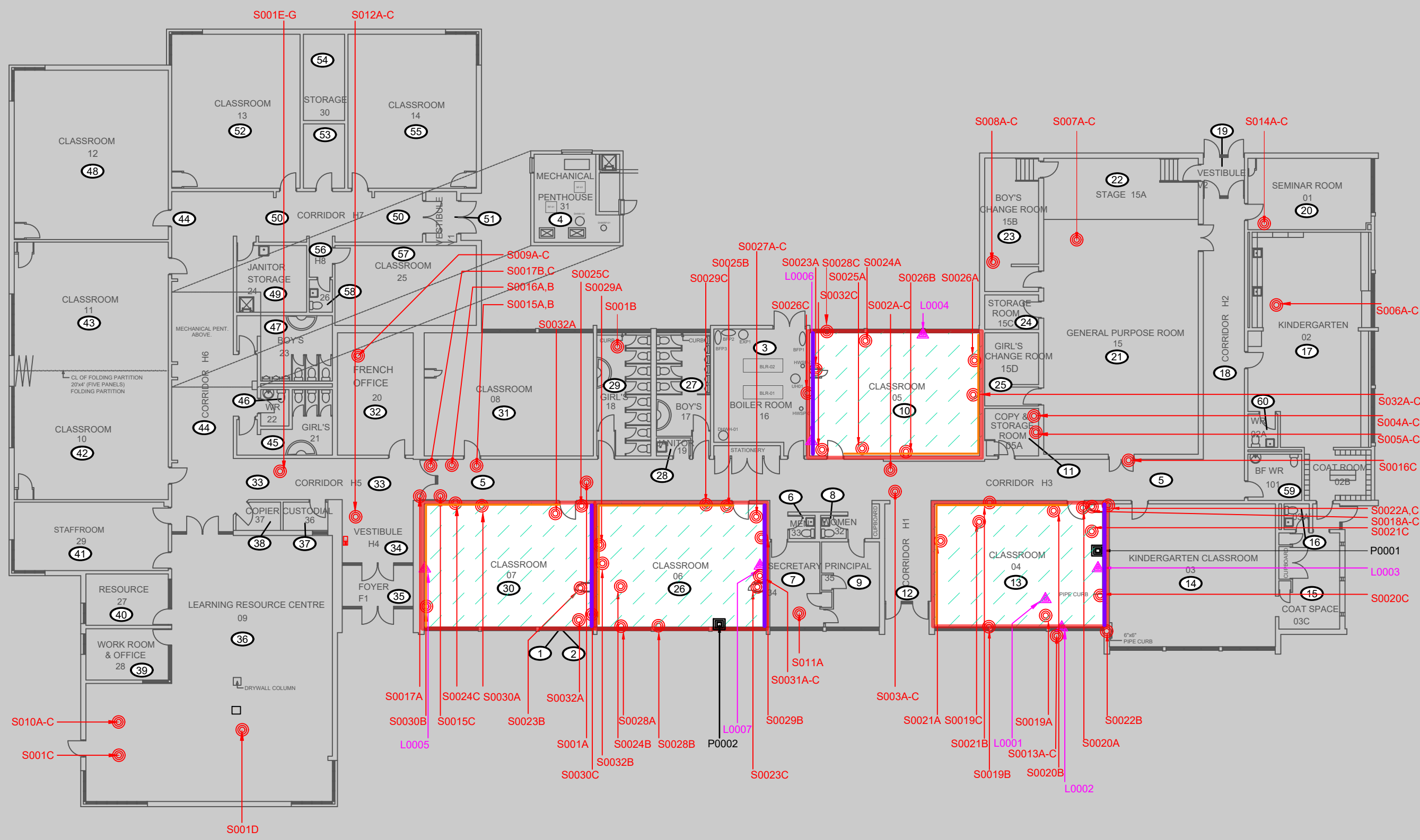
FIGURE NAME:

**SAMPLE LOCATIONS  
GROUND FLOOR**

PROJECT NUMBER: 335495.013      SCALE: NOT TO SCALE

DRAWN BY: KP      REVIEWED BY: CR

DATE: FEB. 2024      FIGURE NUMBER: 2 OF 2



**APPENDIX II-A**  
**Asbestos Analytical Certificates**



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

**Project Name:** Kawartha Pine Ridge District School Board, ON  
**Project No.:** 0335495.013  
**Prepared For:** C. Reynolds / R. Northey

**Lab Reference No.:** b306426  
**Analyst(s):** J. Stapleton

**Date Received:** January 4, 2024      **Samples Submitted:** 39  
**Date Analyzed:** January 9, 2024      **Phases Analyzed:** 46

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The Pinchin Ltd. Dartmouth asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 201032-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of 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 17025:2017. The Pinchin asbestos laboratory uses the aforementioned methods of analysis.

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 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.

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.

This report relates only to the items tested.

*This report relates only to the items tested and is valid only when signed with a protected, authorized, electronic signature. This report may not be reproduced, except in full, without the written approval of Pinchin Ltd. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. Internal verification studies, quality assurance / control data and laboratory documentation on measurement uncertainty are available upon request.*





## Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

**Project Name:** Kawartha Pine Ridge District School Board, ON  
**Project No.:** 0335495.013  
**Prepared For:** C. Reynolds / R. Northey

**Lab Reference No.:** b306426  
**Date Analyzed:** January 9, 2024

### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0018A Floor, Vinyl Floor Tile And Mastic, Sampled Mastic, Loc:13, CLASSROOM	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, black and yellow, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Silicone is present on the surface of this sample.		
S0018B Floor, Vinyl Floor Tile And Mastic, Sampled Mastic, Loc:13, CLASSROOM	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, black and yellow, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
S0018C Floor, Vinyl Floor Tile And Mastic, Sampled Mastic, Loc:13, CLASSROOM	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, black and yellow, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
S0019A Structure, Texture Coat, Loc:13, CLASSROOM			Not Analyzed
Comments:	There is no texture coat present in this sample to be analyzed.		
S0019B Structure, Texture Coat, Loc:13, CLASSROOM	Homogeneous, white, finishing or texture coat.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
S0019C Structure, Texture Coat, Loc:13, CLASSROOM			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		



## Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

**Project Name:** Kawartha Pine Ridge District School Board, ON  
**Project No.:** 0335495.013  
**Prepared For:** C. Reynolds / R. Northey

**Lab Reference No.:** b306426  
**Date Analyzed:** January 9, 2024

### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0020A Wall, Adhesive/mastic, Mastic Behind Vinyl Baseboards, Loc:13, CLASSROOM	2 Phases: a) Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, pale yellow, adhesive material.	None Detected	Non-Fibrous Material > 75%
S0020B Wall, Adhesive/mastic, Mastic Behind Vinyl Baseboards, Loc:13, CLASSROOM	2 Phases: a) Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, pale yellow, adhesive material.	None Detected	Non-Fibrous Material > 75%
S0020C Wall, Adhesive/mastic, Mastic Behind Vinyl Baseboards, Loc:13, CLASSROOM	2 Phases: a) Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, pale yellow, adhesive material.	None Detected	Non-Fibrous Material > 75%
S0021A Wall, Paint, White Paint On Masonry, Loc:13, CLASSROOM	Non-homogeneous, multicoloured, coating material.	None Detected	Non-Fibrous Material > 75%
S0021B Wall, Paint, White Paint On Masonry, Loc:13, CLASSROOM	Non-homogeneous, multicoloured, coating material.	None Detected	Non-Fibrous Material > 75%
S0021C Wall, Paint, White Paint On Masonry, Loc:13, CLASSROOM	Non-homogeneous, multicoloured, coating material.	None Detected	Non-Fibrous Material > 75%
S0022A Caulking, Grey Caulking On Wood Bench, Loc:13, CLASSROOM	Homogeneous, light brown, caulking material.	None Detected	Non-Fibrous Material > 75%



## Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

**Project Name:** Kawartha Pine Ridge District School Board, ON  
**Project No.:** 0335495.013  
**Prepared For:** C. Reynolds / R. Northey

**Lab Reference No.:** b306426  
**Date Analyzed:** January 9, 2024

### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0022B Caulking, Grey Caulking On Wood Bench, Loc:13, CLASSROOM	Homogeneous, light brown, caulking material.	None Detected	Non-Fibrous Material > 75%
S0022C Caulking, Grey Caulking On Wood Bench, Loc:13, CLASSROOM	Homogeneous, light brown, caulking material.	None Detected	Non-Fibrous Material > 75%
S0023A Floor, Vinyl Floor Tile And Mastic, Sampled Mastic, Loc:10, CLASSROOM	3 Phases: a) Homogeneous, white, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile. c) Homogeneous, grey, levelling compound.	None Detected None Detected None Detected	Non-Fibrous Material > 75% Tar and other Non- Fibrous Material > 75% Non-Fibrous Material > 75%
S0023B Floor, Vinyl Floor Tile And Mastic, Sampled Mastic, Loc:30, CLASSROOM	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected None Detected	Non-Fibrous Material > 75% Tar and other Non- Fibrous Material > 75%
S0023C Floor, Vinyl Floor Tile And Mastic, Sampled Mastic, Loc:26, CLASSROOM	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile. b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected None Detected	Non-Fibrous Material > 75% Tar and other Non- Fibrous Material > 75%
S0024A Structure, Texture Coat, Loc:10, CLASSROOM	Homogeneous, white, granular, finishing or texture coat.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%



## Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

**Project Name:** Kawartha Pine Ridge District School Board, ON  
**Project No.:** 0335495.013  
**Prepared For:** C. Reynolds / R. Northey

**Lab Reference No.:** b306426  
**Date Analyzed:** January 9, 2024

### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0024B Structure, Texture Coat, Loc:26, CLASSROOM			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0024C Structure, Texture Coat, Loc:30, CLASSROOM			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0025A Wall, Adhesive/mastic, Mastic Behind Vinyl Baseboards, Loc:10, CLASSROOM	Homogeneous, off-white, adhesive material.	None Detected	Non-Fibrous Material > 75%
S0025B Wall, Adhesive/mastic, Mastic Behind Vinyl Baseboards, Loc:26, CLASSROOM	Homogeneous, off-white, adhesive material.	None Detected	Non-Fibrous Material > 75%
S0025C Wall, Adhesive/mastic, Mastic Behind Vinyl Baseboards, Loc:30, CLASSROOM	2 Phases: a) Homogeneous, brown, hard, adhesive material. b) Homogeneous, off- white, adhesive material.	None Detected None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
S0026A Wall, Paint, White Paint On Masonry, Loc:10, CLASSROOM	Non-homogeneous, white and beige, coating material.	None Detected	Non-Fibrous Material > 75%
S0026B Wall, Paint, White Paint On Masonry, Loc:10, CLASSROOM	Non-homogeneous, white and beige, coating material.	None Detected	Non-Fibrous Material > 75%



## Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

**Project Name:** Kawartha Pine Ridge District School Board, ON  
**Project No.:** 0335495.013  
**Prepared For:** C. Reynolds / R. Northey

**Lab Reference No.:** b306426  
**Date Analyzed:** January 9, 2024

### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0026C Wall, Paint, White Paint On Masonry, Loc:10, CLASSROOM	Non-homogeneous, white and beige, coating material.	None Detected	Non-Fibrous Material > 75%
S0027A Adhesive/mastic, Loc:26, CLASSROOM	Homogeneous, off-white, mastic material.	None Detected	Cellulose 10-25% Non-Fibrous Material > 75%
S0027B Adhesive/mastic, Loc:26, CLASSROOM	Homogeneous, off-white, mastic material.	None Detected	Cellulose 10-25% Non-Fibrous Material > 75%
S0027C Adhesive/mastic, Loc:26, CLASSROOM	Homogeneous, off-white, mastic material.	None Detected	Cellulose 10-25% Non-Fibrous Material > 75%
S0028A Caulking, Grey Along Windows, Loc:26, CLASSROOM	Homogeneous, grey, caulking material.	None Detected	Cellulose 0.5-5% Non-Fibrous Material > 75%
S0028B Caulking, Grey Along Windows, Loc:26, CLASSROOM	Homogeneous, grey, caulking material.	None Detected	Cellulose 0.5-5% Non-Fibrous Material > 75%
S0028C Caulking, Grey Along Windows, Loc:10, CLASSROOM	Homogeneous, grey, caulking material.	None Detected	Cellulose 0.5-5% Non-Fibrous Material > 75%
S0029A Wall, Paint, White Paint On Masonry, Loc:26, CLASSROOM	Non-homogeneous, multicoloured, coating material.	None Detected	Non-Fibrous Material > 75%
S0029B Wall, Paint, White Paint On Masonry, Loc:26, CLASSROOM	Non-homogeneous, multicoloured, coating material.	None Detected	Non-Fibrous Material > 75%



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

**Project Name:** Kawartha Pine Ridge District School Board, ON  
**Project No.:** 0335495.013  
**Prepared For:** C. Reynolds / R. Northey

**Lab Reference No.:** b306426  
**Date Analyzed:** January 9, 2024

**BULK SAMPLE ANALYSIS**

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0029C Wall, Paint, White Paint On Masonry, Loc:26, CLASSROOM	Non-homogeneous, multicoloured, coating material.	None Detected	Non-Fibrous Material > 75%
S0030A Wall, Paint, White Paint On Masonry, Loc:30, CLASSROOM	Non-homogeneous, multicoloured, coating material.	None Detected	Non-Fibrous Material > 75%
S0030B Wall, Paint, White Paint On Masonry, Loc:30, CLASSROOM	Non-homogeneous, multicoloured, coating material.	None Detected	Non-Fibrous Material > 75%
S0030C Wall, Paint, White Paint On Masonry, Loc:30, CLASSROOM	Non-homogeneous, multicoloured, coating material.	None Detected	Non-Fibrous Material > 75%

**Reviewed by:**

**Reporting Analyst:**

Analyzed by: JS

Reviewed by: \_\_\_\_\_

Report Sent by: \_\_\_\_\_

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

Client Name:	Kawartha Pine Ridge District School Board	Project Address:	ON
Portfolio/Building No:		Pinchin File:	335495.013
Submitted by:	Cole Reynolds	Email:	<a href="mailto:ccreynolds@pinchin.com">ccreynolds@pinchin.com</a>
CC Results to:	Rachel Northey	CC Email:	<a href="mailto:rnorthey@pinchin.com">rnorthey@pinchin.com</a>
Date Submitted:	December 29 2023	Required by:	January 9 2020
# of Samples:	58 39	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory, Years ONLY):	1958		
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (Mandatory Field):	Pinchin		
HMIS2 Building Reference #:	128552/202311279136715		

<b>To be Completed by Lab Personnel Only:</b>			
Lab Reference #:	JAN 4 2024 6306426	Time:	24 hour clock
Received by:	R. Sanson	Date:	Month Day Year
Name(s) of Analyst(s):	J. Stapleton		

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0018	A	Floor, Vinyl Floor Tile And Mastic, Sampled Mastic, Loc: 13, CLASSROOM a) ND b) ND
S	0018	B	Floor, Vinyl Floor Tile And Mastic, Sampled Mastic, Loc: 13, CLASSROOM a) ND b) ND
S	0018	C	Floor, Vinyl Floor Tile And Mastic, Sampled Mastic, Loc: 13, CLASSROOM a) ND b) ND
S	0019	A	Structure, Texture Coat, Loc: 13, CLASSROOM (NA)
S	0019	B	Structure, Texture Coat, Loc: 13, CLASSROOM CH 0.5-5
S	0019	C	Structure, Texture Coat, Loc: 13, CLASSROOM (NA)
S	0020	A	Wall, Adhesive/mastic, Mastic Behind Vinyl Baseboards, Loc: 13, CLASSROOM a) ND b) ND
S	0020	B	Wall, Adhesive/mastic, Mastic Behind Vinyl Baseboards, Loc: 13, CLASSROOM a) ND b) ND
S	0020	C	Wall, Adhesive/mastic, Mastic Behind Vinyl Baseboards, Loc: 13, CLASSROOM a) ND b) ND

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0021	A	Wall,Paint,White Paint On Masonry,Loc:13,CLASSROOM ND
S	0021	B	Wall,Paint,White Paint On Masonry,Loc:13,CLASSROOM ND
S	0021	C	Wall,Paint,White Paint On Masonry,Loc:13,CLASSROOM ND
S	0022	A	Caulking,Grey Caulking On Wood Bench,Loc:13,CLASSROOM ND
S	0022	B	Caulking,Grey Caulking On Wood Bench,Loc:13,CLASSROOM ND
S	0022	C	Caulking,Grey Caulking On Wood Bench,Loc:13,CLASSROOM ND
S	0023	A	Floor,Vinyl Floor Tile And Mastic,Sampled Mastic,Loc:10,CLASSROOM a) ND b) ND c) ND
S	0023	B	Floor,Vinyl Floor Tile And Mastic,Sampled Mastic,Loc:30,CLASSROOM a) ND b) ND
S	0023	C	Floor,Vinyl Floor Tile And Mastic,Sampled Mastic,Loc:26,CLASSROOM a) ND b) ND
S	0024	A	Structure,Texture Coat,Loc:10,CLASSROOM CH 0.5-5
S	0024	B	Structure,Texture Coat,Loc:26,CLASSROOM (NA)
S	0024	C	Structure,Texture Coat,Loc:30,CLASSROOM (NA)
S	0025	A	Wall,Adhesive/mastic,Mastic Behind Vinyl Baseboards,Loc:10,CLASSROOM ND
S	0025	B	Wall,Adhesive/mastic,Mastic Behind Vinyl Baseboards,Loc:26,CLASSROOM ND
S	0025	C	Wall,Adhesive/mastic,Mastic Behind Vinyl Baseboards,Loc:30,CLASSROOM a) ND b) ND
S	0026	A	Wall,Paint,White Paint On Masonry,Loc:10,CLASSROOM ND
S	0026	B	Wall,Paint,White Paint On Masonry,Loc:10,CLASSROOM ND



Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0026	C	Wall,Paint,White Paint On Masonry,Loc:10,CLASSROOM ND
S	0027	A	Adhesive/mastic,Loc:26,CLASSROOM ND
S	0027	B	Adhesive/mastic,Loc:26,CLASSROOM ND
S	0027	C	Adhesive/mastic,Loc:26,CLASSROOM ND
S	0028	A	Caulking,Grey Along Windows,Loc:26,CLASSROOM ND
S	0028	B	Caulking,Grey Along Windows,Loc:26,CLASSROOM ND
S	0028	C	Caulking,Grey Along Windows,Loc:10,CLASSROOM ND
S	0029	A	Wall,Paint,White Paint On Masonry,Loc:26,CLASSROOM ND
S	0029	B	Wall,Paint,White Paint On Masonry,Loc:26,CLASSROOM ND
S	0029	C	Wall,Paint,White Paint On Masonry,Loc:26,CLASSROOM ND
S	0030	A	Wall,Paint,White Paint On Masonry,Loc:30,CLASSROOM ND
S	0030	B	Wall,Paint,White Paint On Masonry,Loc:30,CLASSROOM ND
S	0030	C	Wall,Paint,White Paint On Masonry,Loc:30,CLASSROOM ND



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

**Project Name:** KPRDSB, Kawartha Heights, 11 Kawartha Heights Blvd, Peterborough, ON K9J 1N4  
**Project No.:** 0335495.013  
**Prepared For:** R. Van Kuren / R. Northey

**Lab Reference No.:** b307956  
**Analyst(s):** E. Cianni / J. Raisch-Berkoff

**Date Received:** February 2, 2024      **Samples Submitted:** 6  
**Date Analyzed:** February 2, 2024      **Phases Analyzed:** 9

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The Pinchin Ltd. Mississauga asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of 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 17025:2017. The Pinchin asbestos laboratory uses the aforementioned methods of analysis.

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 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.

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.

This report relates only to the items tested.

*This report relates only to the items tested and is valid only when signed with a protected, authorized, electronic signature. This report may not be reproduced, except in full, without the written approval of Pinchin Ltd. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. Internal verification studies, quality assurance / control data and laboratory documentation on measurement uncertainty are available upon request.*



## Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

**Project Name:** KPRDSB, Kawartha Heights, 11 Kawartha Heights Blvd, Peterborough, ON K9J 1N4  
**Project No.:** 0335495.013  
**Prepared For:** R. Van Kuren / R. Northey

**Lab Reference No.:** b307956  
**Date Analyzed:** February 2, 2024

### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0031A DJC from wall panel. Room 6 (Loc 26).	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0031B DJC from wall panel. Room 6 (Loc 26).	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0031C DJC from wall panel. Room 6 (Loc 26).	Homogeneous, white, layered, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0032A Mastic from baseboards. Room 7 (Loc. 30)	a) Non-homogeneous, brown, adhesive material.	Chrysotile < 0.5%	Non-Fibrous Material > 75%
	b) Homogeneous, yellow, adhesive material.	None Detected	Non-Fibrous Material > 75%
Comments:	A trace or only a few asbestos fibres or bundles were detected in phase a). The concentration is well below 0.5%. The asbestos present in phase a) may be due to contamination.		
S0032B Mastic from baseboards. Room 6 (Loc. 26)	a) Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, yellow, adhesive material.	None Detected	Non-Fibrous Material > 75%



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

**Project Name:** KPRDSB, Kawartha Heights, 11 Kawartha Heights Blvd, Peterborough, ON K9J 1N4  
**Project No.:** 0335495.013  
**Prepared For:** R. Van Kuren / R. Northey

**Lab Reference No.:** b307956  
**Date Analyzed:** February 2, 2024

**BULK SAMPLE ANALYSIS**

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0032C Mastic from baseboards. Room 5 (Loc. 10)	2 Phases: a) Homogeneous, brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, yellow, adhesive material.	None Detected	Non-Fibrous Material > 75%

**Reviewed by:**

**Reporting Analyst:**



Analyzed by: ee  
 Reviewed by: JRB  
 Report Sent by: JRB

**Special Instructions:**

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

<b>Client Name:</b>	KPRDSB	<b>Project Address:</b>	11 Kawartha Heights Blvd, Peterborough, ON K9J 1N4
<b>Portfolio/Building No:</b>	Kawartha Heights	<b>Pinchin File:</b>	335495.013
<b>Submitted by:</b>	Reid VK	<b>Email:</b>	<a href="mailto:rvankuren@pinchin.com">rvankuren@pinchin.com</a>
<b>CC Results to:</b>	Rachel Northey	<b>CC Email:</b>	<a href="mailto:rnorthey@pinchin.com">rnorthey@pinchin.com</a>
<b>Invoice to:</b>		<b>Invoice Email:</b>	
<b>Date Submitted:</b>	February 1 2024	<b>Required by:</b>	February 2 2024
<b># of Samples:</b>	6	<b>Priority:</b>	Rush Turnaround
<b>Year of Building Construction (Mandatory Field):</b>	1958		
<b>Do NOT Stop on Positive (Sample Numbers):</b>			
<b>Pinchin Group Company (Mandatory Field):</b>	Pinchin		

**To be Completed by Lab Personnel Only:** *6307956 al.*

<b>Lab Reference #:</b>	<i>FEB 02 2024</i>	<b>Time:</b>	24 hour clock
<b>Received by:</b>		<b>Date:</b> <i>Feb 2, 2024</i>	Month   Day   2021
<b>Name(s) of Analyst(s):</b>	<i>ee / J.R-B</i>		

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0031	A	DJC from wall panel. Room 6 (Loc 26). <i>ND</i>
S	0031	B	DJC from wall panel. Room 6 (Loc 26). <i>ND</i>
S	0031	C	DJC from wall panel. Room 6 (Loc 26). <i>ND</i>
S	0032	A	Mastic from baseboards. Room 7 (Loc. 30) <i>a) CH &lt; 0.5% b) ND</i>
S	0032	B	Mastic from baseboards. Room 6 (Loc. 26) <i>a) ND b) ND</i>
S	0032	C	Mastic from baseboards. Room 5 (Loc. 10) <i>a) ND b) ND</i>

**APPENDIX II-B**  
**Lead Analytical Certificates**



Your Project #: 335495.013  
Your C.O.C. #: N/A

**Attention: Cole Reynolds**

Pinchin Ltd  
191 Bloor St E  
Unit 11  
Oshawa, ON  
CANADA L1H 3M3

**Report Date: 2024/01/08**  
Report #: R7981936  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C402468**  
**Received: 2024/01/04, 09:00**

Sample Matrix: Paint  
# Samples Received: 7

<b>Analyses</b>	<b>Quantity</b>	<b>Date Extracted</b>	<b>Date Analyzed</b>	<b>Laboratory Method</b>	<b>Analytical Method</b>
Metals in Paint	7	2024/01/08	2024/01/08	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, MELCCFP, EPA, APHA.

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 #: 335495.013  
Your C.O.C. #: N/A

**Attention: Cole Reynolds**

Pinchin Ltd  
191 Bloor St E  
Unit 11  
Oshawa, ON  
CANADA L1H 3M3

**Report Date: 2024/01/08**  
Report #: R7981936  
Version: 1 - Final

**CERTIFICATE OF ANALYSIS**

**BUREAU VERITAS JOB #: C402468**  
**Received: 2024/01/04, 09:00**

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

=====  
This report has been generated and distributed using a secure automated process.

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.





BUREAU  
VERITAS

Bureau Veritas Job #: C402468  
Report Date: 2024/01/08

Pinchin Ltd  
Client Project #: 335495.013  
Sampler Initials: CR

### ELEMENTS BY ATOMIC SPECTROSCOPY (PAINT)

<b>Bureau Veritas ID</b>		YAJ372			YAJ373			
<b>Sampling Date</b>		2023/12/28			2023/12/28			
	<b>UNITS</b>	<b>L0001, WHITE ON CONCRETE STRUCTURE,LOC:13,CLASSROOM</b>	<b>RDL</b>	<b>MDL</b>	<b>L0002, WHITE ON MASONRY,LOC:13,CLASSROOM</b>	<b>RDL</b>	<b>MDL</b>	<b>QC Batch</b>

<b>Metals</b>								
Lead (Pb)	%	0.00050	0.00014	0.000042	0.0076	0.00023	0.000069	9149091
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								

<b>Bureau Veritas ID</b>		YAJ374			YAJ375			
<b>Sampling Date</b>		2023/12/28			2023/12/28			
	<b>UNITS</b>	<b>L0003, WHITE ON WOOD,LOC:13,CLASSROOM</b>	<b>RDL</b>	<b>MDL</b>	<b>L0004, WHITE ON CONCRETE STRUCTURE,LOC:10,CLASSROOM</b>	<b>RDL</b>	<b>MDL</b>	<b>QC Batch</b>

<b>Metals</b>								
Lead (Pb)	%	0.0029	0.00010	0.000030	0.0015	0.00012	0.000036	9149091
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								

<b>Bureau Veritas ID</b>		YAJ376			YAJ377			
<b>Sampling Date</b>		2023/12/28			2023/12/28			
	<b>UNITS</b>	<b>L0005, WHITE ON MASONRY,LOC:30,CLASSROOM</b>	<b>RDL</b>	<b>MDL</b>	<b>L0006, WHITE ON WOOD,LOC:10,CLASSROOM</b>	<b>RDL</b>	<b>MDL</b>	<b>QC Batch</b>

<b>Metals</b>								
Lead (Pb)	%	0.00035	0.00017	0.000051	0.00052	0.00016	0.000048	9149091
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								

<b>Bureau Veritas ID</b>		YAJ378						
<b>Sampling Date</b>		2023/12/28						
	<b>UNITS</b>	<b>L0007, WHITE FROM DRYWALL,LOC:26,CLASSROOM</b>	<b>RDL</b>	<b>MDL</b>	<b>QC Batch</b>			
<b>Metals</b>								
Lead (Pb)	%	0.0014	0.00025	0.000075	9149091			
RDL = Reportable Detection Limit QC Batch = Quality Control Batch								



**BUREAU  
VERITAS**

Bureau Veritas Job #: C402468  
Report Date: 2024/01/08

Pinchin Ltd  
Client Project #: 335495.013  
Sampler Initials: CR

### GENERAL COMMENTS

Metals 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 #: C402468  
Report Date: 2024/01/08

### QUALITY ASSURANCE REPORT

Pinchin Ltd  
Client Project #: 335495.013  
Sampler Initials: CR

QC Batch	Parameter	Date	Method Blank		QC Standard	
			Value	UNITS	% Recovery	QC Limits
9149091	Lead (Pb)	2024/01/08	<0.00010	%	94	75 - 125

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 #: C402468  
Report Date: 2024/01/08

Pinchin Ltd  
Client Project #: 335495.013  
Sampler Initials: CR

### VALIDATION SIGNATURE PAGE

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

\_\_\_\_\_  
Anastassia Hamanov, Scientific Specialist

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 CAM FCD-01191/6

### CHAIN OF CUSTODY RECORD

Page \_\_\_\_ of \_\_\_\_

<b>Invoice Information</b>		<b>Report Information (if differs from invoice)</b>				<b>Project Information (where applicable)</b>				<b>Turnaround Time (TAT) Required</b>								
Company Name: <b>Pinchin Ltd.</b>		Company Name: _____				Quotation #: _____				<input checked="" type="checkbox"/> Regular TAT (5-7 days) Most analyses								
Contact Name: <b>Cole Reynolds ; Rachel Northey</b>		Contact Name: _____				P.O. #/ AFE#: _____				<b>PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS</b>								
Address: _____		Address: _____				Project #: <b>335495.013</b>				<b>Rush TAT (Surcharges will be applied)</b>								
Phone: _____ Fax: _____		Phone: _____ Fax: _____				Site Location: _____				<input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3-4 Days								
Email: <b>ccreynolds@pinchin.cor ; rnorthey@pinchin.com</b>		Email: _____				Site #: _____				Date Required: _____								
<small>MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY</small>						Site Location Province: _____ ON				Rush Confirmation #: _____								
<b>Regulation 153</b>		<b>Other Regulations</b>		<b>Analysis Requested</b>						<b>LABORATORY USE ONLY</b>								
<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 _____ <b>FOR RSC (PLEASE CIRCLE)    Y / N</b>		<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	BTX/ 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	<b>CUSTOMY SEAL</b> Y / N		<b>COOLER TEMPERATURES</b>	
Include Criteria on Certificate of Analysis:    Y / N										Present    Intact								
SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS										COOLING MEDIA PRESENT:    Y / <u>N</u>								
SAMPLE IDENTIFICATION		DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX							COMMENTS							
L0001, White On Concrete Structure, Loc:13, CLASSROOM		2023-12-28		BULK														
L0002, White On Masonry, Loc:13, CLASSROOM		2023-12-28		BULK														
L0003, White On Wood, Loc:13, CLASSROOM		2023-12-28		BULK														
L0004, White On Concrete Structure, Loc:10, CLASSROOM		2023-12-28		BULK														
L0005, White On Masonry, Loc:30, CLASSROOM		2023-12-28		BULK														
L0006, White On Wood, Loc:10, CLASSROOM		2023-12-28		BULK														
L0007, White From Drywall, Loc:26, CLASSROOM		2023-12-28		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 #								
Cole Reynolds		2023-12-28		<i>Gole Susan Sawyer</i>				2024/01/04	09:00									



||ONT-2024-01-151

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>

**APPENDIX II-C**  
**PCB Analytical Certificates**

## Certificate of Analysis

Cole Reynolds, Rachel Northey

Pinchin Ltd. (Mississauga)  
2470 Milltower Court, Mississauga, ON L5N 7W5

Date of Issue: Jan 09, 2024

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

<b>Project Name:</b>	<b>Date Sampled:</b> Dec 28, 2023
<b>Project No.:</b> 335495.013	<b>Date Tested:</b> Jan 08, 2024
<b>Site Location:</b>	<b>Sampled by:</b> Cole R

### Report Number: 24-0012

No.	Analyte	Result	Units	MDL	Comments	Technique / Test Method
1	<u>Sample ID:</u> P0001 Caulking, Grey Caulking On Wood Bench, Loc:13, Classroom					
	PCBs in Solid	<0.2	mg/kg	0.2		LAB-M06 (EPA 3550C/8082A modified)
2	<u>Sample ID:</u> P0002 Caulking, Grey Caulking Along Windows, Loc:26, Classroom					
	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
Ontario	0.5%	0.5%

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.

Asbestos materials were evaluated in order to make recommendations regarding any remedial work. The priority for remedial action was based on several factors:

- Friability (friable or non-friable);
- Condition (good, fair, poor, debris);
- Accessibility (ranking from accessible to all building users to inaccessible);
- Visibility (whether the material is obscured by other building components);
- Efficiency of the work (for example, if damaged ACM is being removed in an area, it may be most practical to remove all ACM in the area even if it is in good condition).

## 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)
Ontario	0.1	1000

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:**KPRDSB

**Site:** 11 Kawartha Heights Boulevard, Peterborough, ON

**Building Name:** Kawartha Heights Public School

**Survey Date:**

**Last Re-Assessment:** 2023-12-29

**Building Phases:** A: 1958

Location No.	Name or Description	Area ft <sup>2</sup>	Floor No.	Bldg. Phase	Notes
10	CLASSROOM, room no. 05	600	1	A	
13	CLASSROOM, room no. 04	700	1	A	
26	CLASSROOM, room no. 06	700	1	A	
30	CLASSROOM, room no. 07	700	1	A	

**APPENDIX V**  
**Hazardous Materials Summary Report / Sample Log**

Client: KPRDSB

Site: 11 Kawartha Heights Boulevard,  
Peterborough, ON

Building Name: Kawartha Heights Public School

Survey Date:

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	S0018 ABC	Floor    Vinyl Floor Tile And Mastic   Sampled Mastic	13	A	0	700	0	0	None Detected	No	
Asbestos	S0019 ABC	Structure    Texture Coat	13	A	0	100	0	0	Chrysotile	Yes	F
Asbestos	S0020 ABC	Wall    Adhesive/mastic   Mastic Behind Vinyl Baseboards	13	A	0	50	0	0	None Detected	No	
Asbestos	S0021 ABC	Wall    Paint   White Paint On Masonry	13	A	0	800	0	0	None Detected	No	
Asbestos	S0022 ABC	Other    Caulking   Grey Caulking On Wood Bench	13	A	30	0	0	0	None Detected	No	
Asbestos	S0023 ABC	Floor    Vinyl Floor Tile And Mastic   Sampled Mastic	10,26,30	A	0	2000	0	0	None Detected	No	
Asbestos	S0024 ABC	Structure   Beam And Joist   Texture Coat	10,26,30	A	0	300	0	0	Chrysotile	Yes	F
Asbestos	S0025 ABC	Wall    Adhesive/mastic   Mastic Behind Vinyl Baseboards	10,26,30	A	0	150	0	0	None Detected	No	
Asbestos	S0026 ABC	Wall    Paint   White Paint On Masonry	10	A	0	800	0	0	None Detected	No	
Asbestos	S0027 ABC	Other    Adhesive/mastic	26	A	0	3	0	0	None Detected	No	
Asbestos	S0028 ABC	Other    Caulking   Grey Along Windows	10,26,30	A	150	0	0	0	None Detected	No	
Asbestos	S0029 ABC	Wall    Paint   White Paint On Masonry	26	A	0	800	0	0	None Detected	No	
Asbestos	S0030 ABC	Wall    Paint   White Paint On Masonry	30	A	0	800	0	0	None Detected	No	
Asbestos	S0031 ABC	Wall    Drywall And Joint Compound   Djc From Wall Panel. Room 6 (loc 26)	26	A	0	40	0	0	None Detected	No	
Asbestos	S0032 ABC	Other   Base   Mastic   Mastic From Baseboards. Room 7 (loc. 30)	30	A	120	0	0	0	Chrysotile	No	
Asbestos	V9500	Floor    Floor Levelling Compound	10,26,30	A	0	2000	0	0	Presumed Asbestos	Yes	F
Asbestos	V9500	Piping   Hot Water Heating   Parging Cement	10,13,26,30	A	0	0	24	0	Presumed Asbestos	Yes	F
Asbestos	V9500	Piping   Hot Water Heating   Thermal Insulation	10,13,26,30	A	120	0	0	0	Presumed Asbestos	Yes	F
Asbestos	V9500	Wall    Adhesive/mastic	10,13,26,30	A	0	0	24	0	Presumed Asbestos	Yes	NF
Paint	L0001	Structure   Concrete (poured)   White On Concrete Structure	13	A	0	200	0	0		No	-
Paint	L0002	Wall   Concrete (poured)   White On Masonry	13	A	0	800	0	0		No	-
Paint	L0003	Wall   Wood   White On Wood	13	A	0	100	0	0		No	-
Paint	L0004	Wall   Concrete (precast)   White On Concrete Structure	10,26,30	A	0	300	0	0		No	-

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Paint	L0005	Wall   Concrete (poured)   White On Masonry	10,26,30	A	0	2400	0	0		No	-
Paint	L0006	Wall   Wood   White On Wood	10,26,30	A	0	210	0	0		No	-
Paint	L0007	Wall   Drywall And Joint Compound   White From Drywall	26	A	0	10	0	0		No	-
PCB	P0001	Caulking   Grey Caulking On Wood Bench	13	A	30	0	0	0	-	No	-
PCB	P0002	Caulking   Grey Caulking Along Windows	10,26,30	A	150	0	0	0	-	No	-
PCB	V0000	Light Ballasts	10,13,26,30	A	0	0	56	0	-	No	-
Hg	V9000	Light Fixture	10,13,26,30	A	0	0	56	0	Hg	Yes	-



## 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**  
**All Data Report**

**Client:** KPRDSB  
**Location:** #10 : CLASSROOM  
**Survey Date:** 2023-12-27

**Site:** 11 Kawartha Heights Boulevard,  
Peterborough, ON  
**Floor:** 1

**Building Name:** Kawartha Heights Public School  
**Room #:** 05  
**Area (sqft):** 600  
**Last Re-Assessment:** 2023-12-29

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		None Found														
Duct		None Found														
Floor <sup>1</sup>		Vinyl Floor Tile and Mastic, 12" x 12" white with grey fleck			A	Y		600			SF	S0023A	None Detected	N.D.	None	
Floor <sup>2</sup>		Floor Levelling Compound		Vinyl Floor Tile and Mastic	D	N		600			SF	V9500	Presumed Asbestos		Presumed Asbestos	F
Mechanical Equipment		None Found														
Other		Caulking, Grey along windows			A	Y		50			LF	S0028C	None Detected	N.D.	None	
Piping <sup>3</sup>	Hot Water Heating	Thermal Insulation	Straight		D	N		40			LF	V9500	Presumed Asbestos		Presumed Asbestos	F
Piping <sup>4</sup>	Hot Water Heating	Parging Cement	Fitting		D	N		2			EA	V9500	Presumed Asbestos		Presumed Asbestos	F
Structure		Concrete (precast)		Texture Coat	C	Y		600			SF					
Structure <sup>5</sup>		Texture Coat			C	Y		100			SF	S0024A	Chrysotile	0.5-5%	Confirmed Asbestos	F
Wall		Wood														
Wall		Masonry														
Wall		Paint, White paint on masonry			A	Y		800			SF	S0026ABC	None Detected	N.D.	None	
Wall		Adhesive/mastic, Mastic behind vinyl baseboards			A	N		50			SF	S0025A	None Detected	N.D.	None	
Wall <sup>6</sup>		Adhesive/mastic			D	N		6			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF

- 1 - New flooring in 2016
- 2 - Found within S0023A
- 3 - Pipe Insulation still present concealed by millwork, exposed insulation removed in 2016
- 4 - Pipe Insulation still present concealed by millwork, exposed insulation removed in 2016
- 5 - On beams and columns
- 6 - Mastic pucks behind chalkboard/tackboard

**Client:** KPRDSB  
**Location:** #10 : CLASSROOM  
**Survey Date:** 2023-12-27

**Site:** 11 Kawartha Heights Boulevard,  
Peterborough, ON  
**Floor:** 1

**Building Name:** Kawartha Heights Public School  
**Room #:** 05  
**Area (sqft):** 600  
**Last Re-Assessment:** 2023-12-29

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Concrete (poured)	800		SF	V0005	White on masonry	Pb: 0.00035 %	No	
Wall	Wood	100		SF	L0006	White on wood	Pb: 0.00052 %	No	
Wall	Concrete (precast)	100		SF	L0004	White on concrete structure	Pb: 0.0015 %	No	

Client: KPRDSB  
Location: #10 : CLASSROOM  
Survey Date: 2023-12-27

Site: 11 Kawartha Heights Boulevard,  
Peterborough, ON  
Floor: 1

Building Name: Kawartha Heights Public School  
Room #: 05  
Last Re-Assessment: 2023-12-29  
Area (sqft): 600

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	12	EA	V9000	Yes

Client: KPRDSB  
Location: #10 : CLASSROOM  
Survey Date: 2023-12-27

Site: 11 Kawartha Heights Boulevard,  
Peterborough, ON  
Floor: 1

Building Name: Kawartha Heights Public School  
Room #: 05  
Last Re-Assessment: 2023-12-29  
Area (sqft): 600

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Light Ballasts <sup>1</sup>	12	EA	V0000			No
Caulking	50	LF	V0002	Grey caulking along windows	<0.2 mg/kg	No

1 - T8 ballasts

**Client:** KPRDSB  
**Location:** #13 : CLASSROOM  
**Survey Date:** 2023-12-27

**Site:** 11 Kawartha Heights Boulevard,  
Peterborough, ON  
**Floor:** 1

**Building Name:** Kawartha Heights Public School  
**Room #:** 04  
**Area (sqft):** 700  
**Last Re-Assessment:** 2023-12-29

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		None Found														
Duct		None Found														
Floor <sup>1</sup>		Vinyl Floor Tile and Mastic, Sampled mastic, 12" x 12" white with grey fleck			A	Y		700			SF	S0018ABC	None Detected	N.D.	None	
Mechanical Equipment		None Found														
Other		Caulking, Grey caulking on wood bench			A	Y		30			LF	S0022ABC	None Detected	N.D.	None	
Piping <sup>2</sup>	Hot Water Heating	Thermal Insulation			D	N						V9500	Presumed Asbestos		Presumed Asbestos	F
Piping <sup>3</sup>	Hot Water Heating	Parging Cement			D	N		6			EA	V9500	Presumed Asbestos		Presumed Asbestos	F
Structure		Concrete (precast)		Texture Coat	C	Y		700			SF					
Structure		Texture Coat			C	Y		100			SF	S0019ABC	Chrysotile	0.5-5%	Confirmed Asbestos	F
Wall		Masonry														
Wall		Paint, White paint on masonry			A	Y		800			SF	S0021ABC	None Detected	N.D.	None	
Wall		Adhesive/mastic, Mastic behind vinyl baseboards			A	N		50			SF	S0020ABC	None Detected	N.D.	None	
Wall <sup>4</sup>		Adhesive/mastic			D	N		6			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF

- 1 - New flooring in 2016
- 2 - Pipes entering the room concealed behind wood board
- 3 - Behind wood board
- 4 - Mastic pucks behind chalkboard/tackboard

**Client:** KPRDSB  
**Location:** #13 : CLASSROOM  
**Survey Date:** 2023-12-27

**Site:** 11 Kawartha Heights Boulevard,  
Peterborough, ON  
**Floor:** 1

**Building Name:** Kawartha Heights Public School  
**Room #:** 04  
**Area (sqft):** 700  
**Last Re-Assessment:** 2023-12-29

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Structure	Concrete (poured)	200		SF	L0001	White on concrete structure	Pb: 0.00050 %	No	
Wall	Concrete (poured)	800		SF	L0002	White on masonry	Pb: 0.0076 %	No	
Wall	Wood	100		SF	L0003	White on wood	Pb: 0.0029 %	No	

**Client:** KPRDSB  
**Location:** #13 : CLASSROOM  
**Survey Date:** 2023-12-27

**Site:** 11 Kawartha Heights Boulevard,  
Peterborough, ON  
**Floor:** 1

**Building Name:** Kawartha Heights Public School  
**Room #:** 04  
**Area (sqft):** 700  
**Last Re-Assessment:** 2023-12-29

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	12	EA	V9000	Yes

Client: KPRDSB

Site: 11 Kawartha Heights Boulevard,  
Peterborough, ON

Building Name: Kawartha Heights Public School

Location: #13 : CLASSROOM

Floor: 1

Room #: 04

Area (sqft): 700

Survey Date: 2023-12-27

Last Re-Assessment: 2023-12-29

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Caulking	30	LF	P0001	Grey caulking on wood bench	<0.2 mg/kg	No
Light Ballasts <sup>1</sup>	12	EA	V0000			No

1 - T8 ballasts

**Client:** KPRDSB  
**Location:** #26 : CLASSROOM  
**Survey Date:** 2023-12-27

**Site:** 11 Kawartha Heights Boulevard,  
Peterborough, ON  
**Floor:** 1

**Building Name:** Kawartha Heights Public School  
**Room #:** 06  
**Area (sqft):** 700  
**Last Re-Assessment:** 2023-12-29

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		None Found														
Duct		None Found														
Floor <sup>1</sup>		Vinyl Floor Tile and Mastic, 12 x 12 white with grey splotch			A	Y		700			SF	S0023C	None Detected	N.D.	None	
Floor <sup>2</sup>		Floor Levelling Compound		Vinyl Floor Tile and Mastic	D	N		700			SF	V9500	Presumed Asbestos		Presumed Asbestos	F
Mechanical Equipment		None Found														
Other <sup>3</sup>		Adhesive/mastic			A	N		3			SF	S0027ABC	None Detected	N.D.	None	
Other		Caulking, Grey along windows			A	Y		50			LF	S0028AB	None Detected	N.D.	None	
Piping <sup>4</sup>		Thermal Insulation	Straight		D	N		40			LF	V9500	Presumed Asbestos		Presumed Asbestos	F
Piping <sup>5</sup>		Parging Cement	Fitting		D	N		8			EA	V9500	Presumed Asbestos		Presumed Asbestos	F
Structure		Concrete (precast)		Texture Coat	C	Y		700			SF					
Structure <sup>6</sup>		Texture Coat			C	Y		100			SF	S0024B	Chrysotile	0.5-5%	Confirmed Asbestos	F
Wall		Drywall and joint compound			A	Y		40			SF	S0031ABC	None Detected	N.D.	None	
Wall		Masonry														
Wall		Paint, White paint on masonry			A	Y		800			SF	S0029ABC	None Detected	N.D.	None	
Wall		Adhesive/mastic, Mastic behind vinyl baseboards			A	N		50			SF	S0025B	None Detected	N.D.	None	
Wall <sup>7</sup>		Adhesive/mastic			D	N		6			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF

- 1 - New flooring in 2016
- 2 - Found within S0023A
- 3 - Grey sink mastic
- 4 - Exposed insulation removed in 2016, possibly still present behind millwork
- 5 - Exposed insulation removed in Summer 2016 Possibly still present concealed by millwork of cloak cupboards
- 6 - On beams and columns
- 7 - Mastic pucks behind chalkboard/tackboard

**Client:** KPRDSB  
**Location:** #26 : CLASSROOM  
**Survey Date:** 2023-12-27

**Site:** 11 Kawartha Heights Boulevard,  
Peterborough, ON  
**Floor:** 1

**Building Name:** Kawartha Heights Public School  
**Room #:** 06  
**Area (sqft):** 700  
**Last Re-Assessment:** 2023-12-29

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Concrete (poured)	800		SF	V0005	White on masonry	Pb: 0.00035 %	No	

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Wood	100		SF	V0006	White on wood	Pb: 0.00052 %	No
Wall	Concrete (precast)	100		SF	V0004	White on concrete structure	Pb: 0.0015 %	No
Wall	Drywall and joint compound	10		SF	L0007	White from drywall	Pb: 0.0014 %	No

Client: KPRDSB  
Location: #26 : CLASSROOM  
Survey Date: 2023-12-27

Site: 11 Kawartha Heights Boulevard,  
Peterborough, ON  
Floor: 1

Building Name: Kawartha Heights Public School  
Room #: 06  
Last Re-Assessment: 2023-12-29  
Area (sqft): 700

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	16	EA	V9000	Yes

Client: KPRDSB  
Location: #26 : CLASSROOM  
Survey Date: 2023-12-27

Site: 11 Kawartha Heights Boulevard,  
Peterborough, ON  
Floor: 1

Building Name: Kawartha Heights Public School  
Room #: 06  
Last Re-Assessment: 2023-12-29  
Area (sqft): 700

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Caulking	50	LF	P0002	Grey caulking along windows	<0.2 mg/kg	No
Light Ballasts <sup>1</sup>	16	EA	V0000			No

1 - T8 ballasts



**Client:** KPRDSB  
**Location:** #30 : CLASSROOM  
**Survey Date:** 2023-12-27

**Site:** 11 Kawartha Heights Boulevard,  
Peterborough, ON  
**Floor:** 1

**Building Name:** Kawartha Heights Public School  
**Room #:** 07  
**Area (sqft):** 700  
**Last Re-Assessment:** 2023-12-29

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		None Found														
Duct		None Found														
Floor <sup>1</sup>		Vinyl Floor Tile and Mastic, 12 x 12 white with grey flecks			A	Y		700			SF	S0023B	None Detected	N.D.	None	
Floor <sup>2</sup>		Floor Levelling Compound		Vinyl Floor Tile and Mastic	D	N		700			SF	V9500	Presumed Asbestos		Presumed Asbestos	F
Mechanical Equipment		None Found														
Other		Caulking, Grey along windows			A	Y		50			LF	V0028	None Detected	N.D.	None	
Other	Base	Mastic, Mastic from baseboards. Room 7 (Loc. 30)			A	N		120			LF	S0032ABC	Chrysotile	<0.5%	None	
Piping <sup>3</sup>		Thermal Insulation	Straight		D	N		40			LF	V9500	Presumed Asbestos		Presumed Asbestos	F
Piping <sup>4</sup>		Parging Cement	Fitting		D	N		8			EA	V9500	Presumed Asbestos		Presumed Asbestos	F
Structure		Concrete (precast)		Texture Coat	C	Y		700			SF					
Structure	Beam And Joist	Texture Coat			C	Y		100			SF	S0024C	Chrysotile	0.5-5%	Confirmed Asbestos	F
Wall		Wood														
Wall		Masonry														
Wall		Paint, White paint on masonry			A	Y		800			SF	S0030ABC	None Detected	N.D.	None	
Wall		Adhesive/mastic, Mastic behind vinyl baseboards			A	N		50			SF	S0025C	None Detected	N.D.	None	
Wall <sup>5</sup>		Adhesive/mastic			D	N		6			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF

- 1 - Floor replaced in 2013
- 2 - Found within S0023A
- 3 - Exposed insulation removed in 2016, possibly still present behind millwork
- 4 - Exposed insulation removed in 2016, possibly still present behind millwork
- 5 - Mastic pucks behind chalkboard/tackboard

**Client:** KPRDSB  
**Location:** #30 : CLASSROOM  
**Survey Date:** 2023-12-27

**Site:** 11 Kawartha Heights Boulevard,  
Peterborough, ON  
**Floor:** 1

**Building Name:** Kawartha Heights Public School  
**Room #:** 07  
**Area (sqft):** 700  
**Last Re-Assessment:** 2023-12-29

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Concrete (poured)	800		SF	L0005	White on masonry	Pb: 0.00035 %	No	
Wall	Wood	10		SF	V0006	White on wood	Pb: 0.00052 %	No	

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete (precast)	100		SF	V0004	White on concrete structure	Pb: 0.0015 %	No

Client: KPRDSB  
Location: #30 : CLASSROOM  
Survey Date: 2023-12-27

Site: 11 Kawartha Heights Boulevard,  
Peterborough, ON  
Floor: 1

Building Name: Kawartha Heights Public School  
Room #: 07  
Last Re-Assessment: 2023-12-29  
Area (sqft): 700

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	16	EA	V9000	Yes

Client: KPRDSB  
Location: #30 : CLASSROOM  
Survey Date: 2023-12-27

Site: 11 Kawartha Heights Boulevard,  
Peterborough, ON  
Floor: 1

Building Name: Kawartha Heights Public School  
Room #: 07  
Last Re-Assessment: 2023-12-29  
Area (sqft): 700

PCB						
Component	Quantity	Unit	Sample	Sample Description	Amount	PCB
Caulking	50	LF	V0002	Grey caulking along windows	<0.2 mg/kg	No
Light Ballasts <sup>1</sup>	16	EA	V0000			No

1 - T8 ballasts

## 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.

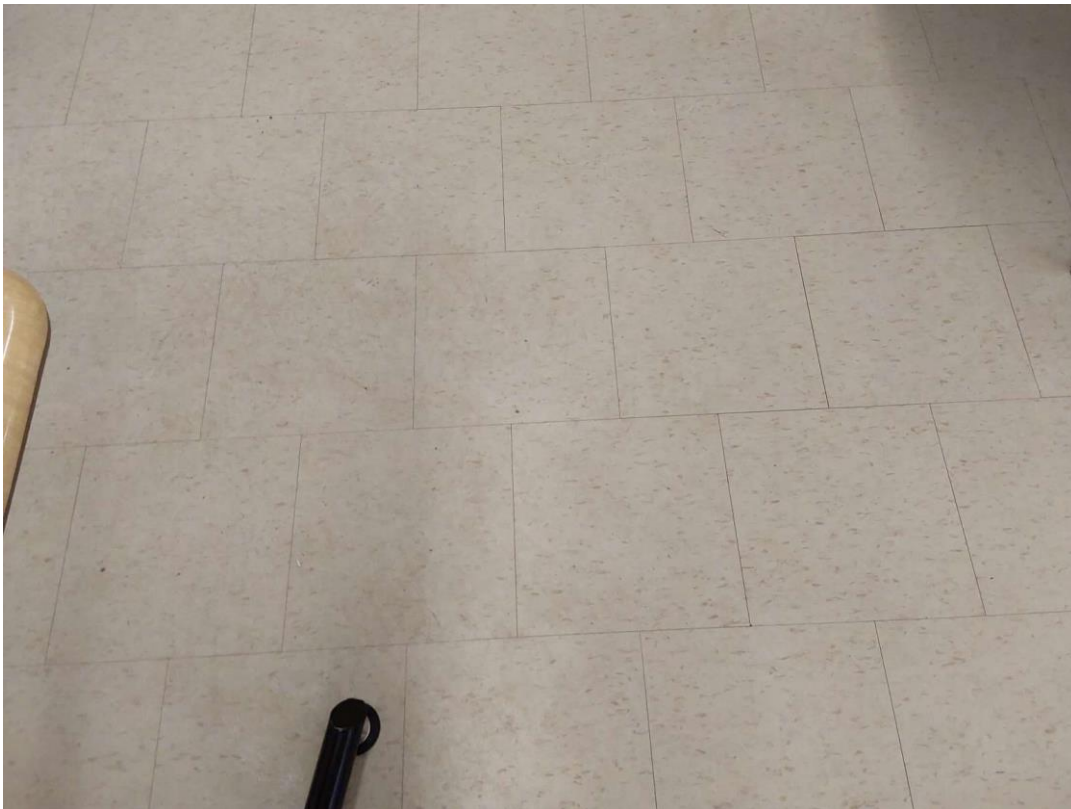
Air Plenum	
Yes or No	The material is in a return air plenum or in a direct airstream or there is evidence of air erosion (e.g. duct for heating or cooling blowing directly on or across an ACM). This field is only completed where Air Plenum consideration is required by regulation.

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.

**APPENDIX VII**  
**Photographs**



V0001 (None), Wall, Drywall and joint compound, CLASSROOM (Location #: 26)



S0018A (None), Sampled mastic, 12" x 12" white with grey fleck, Floor, Vinyl Floor Tile and Mastic, CLASSROOM (Location #: 13)  
New flooring in 2016



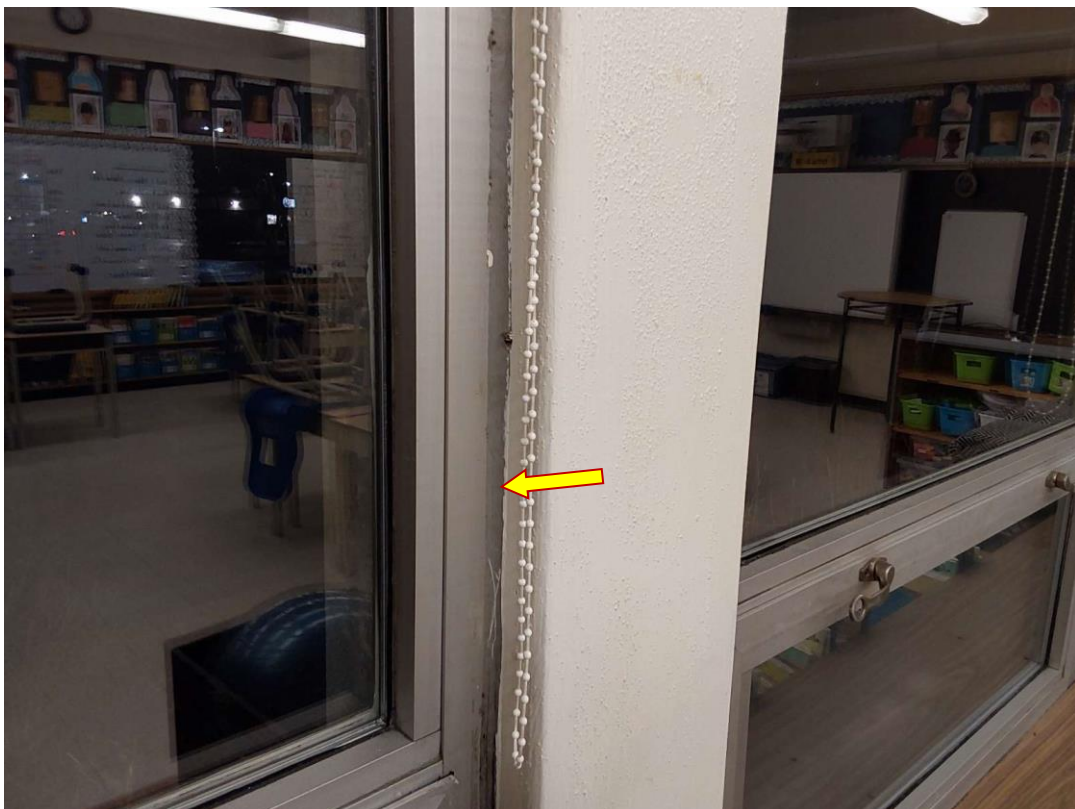
S0019A (Confirmed Asbestos), Structure, Texture Coat, CLASSROOM (Location #: 13)



S0020A (None), Mastic behind vinyl baseboards, Wall, Adhesive/mastic, CLASSROOM (Location #: 13)



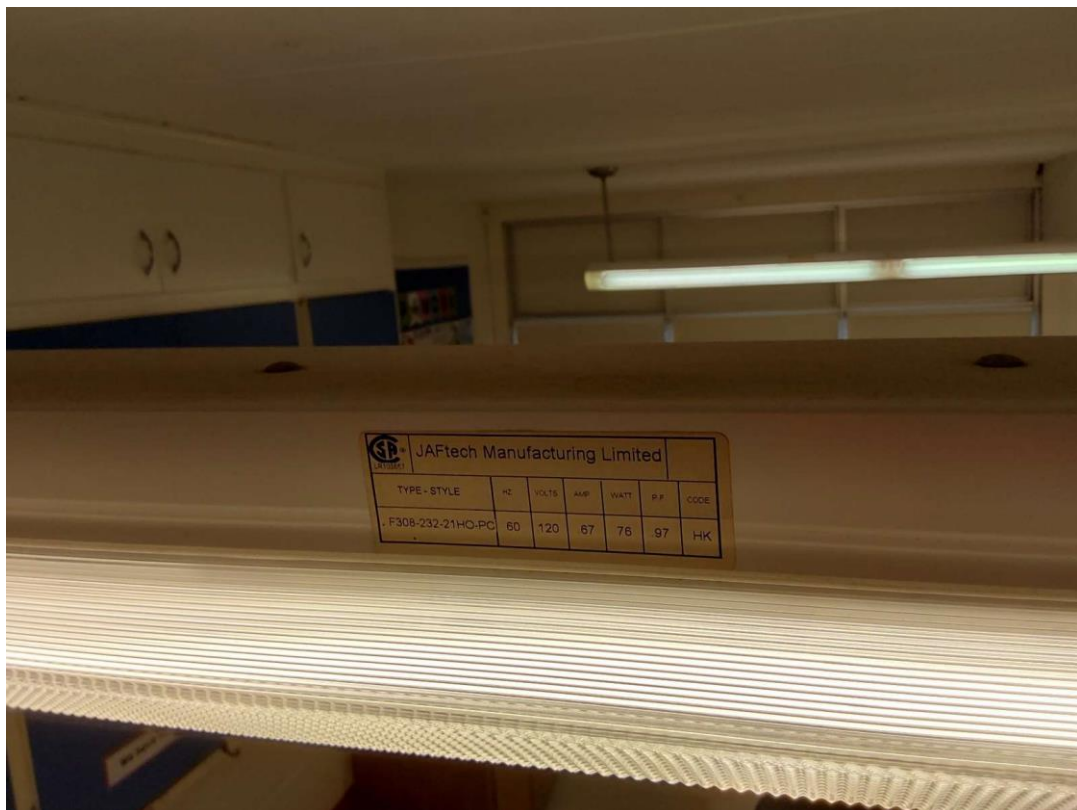
S0027C (None), Other, Adhesive/mastic, CLASSROOM (Location #: 26)  
Grey sink mastic



V0028 (None), Grey along windows, Other, Caulking, CLASSROOM (Location #: 30)



L0003(Lead, None), White on wood, Wall, CLASSROOM (Location #: 13)

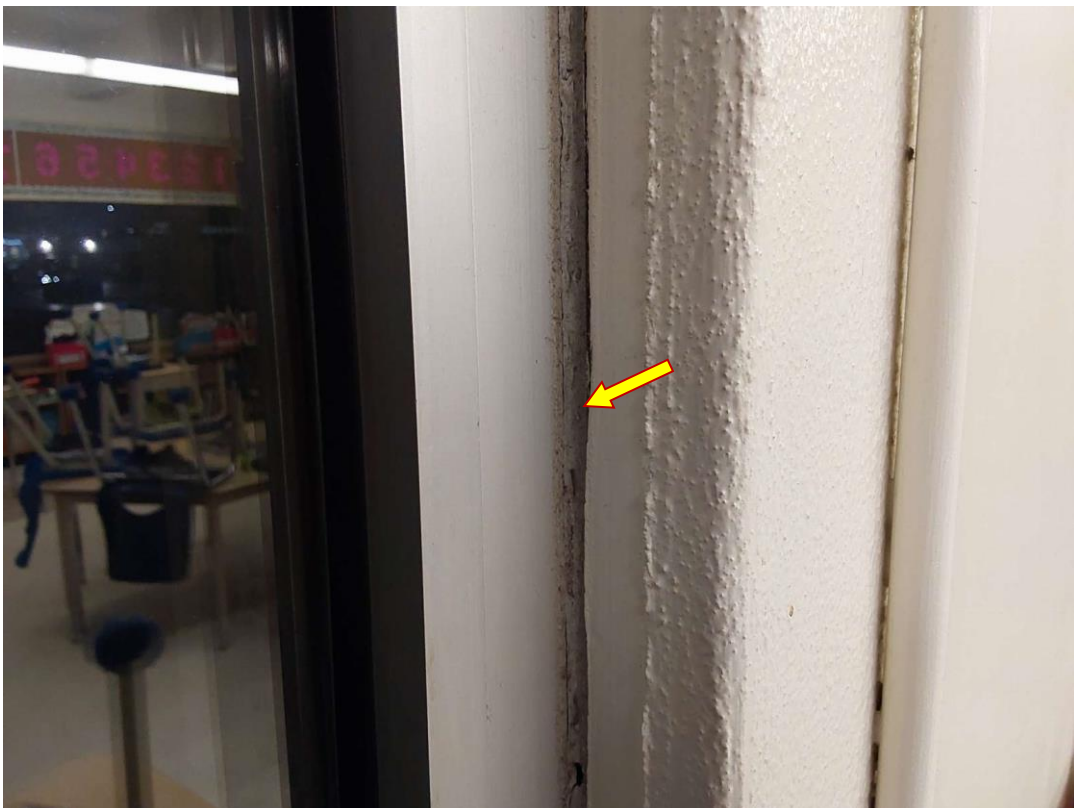


Mercury, V9000(Yes), LIGHT FIXTURE, CLASSROOM (Location #: 13)





PCB, P0001(No), CAULKING, Grey caulking on wood bench, CLASSROOM (Location #: 13)



PCB, P0002(No), CAULKING, Grey caulking along windows, CLASSROOM (Location #: 26)