February 20, 2025

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

Re: Hazardous Building Materials Assessment (Pre-construction)
Lydia Trull Public School, 80 Avondale Drive, Courtice, Ontario
Pinchin File: 349417.021

Kawartha Pine Ridge District School Board (KPRDSB, Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at Lydia Trull Public School located at 80 Avondale Drive, Courtice, Ontario.

Pinchin performed the assessment on December 23, 2024. The assessor 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 renovations. The proposed work includes renovations to the HVAC system in the Mechanical Room (HMIS Loc. 2) and on Roof Sections 1A & 1B (HMIS Loc. 1), as detailed in the architectural drawings provided by the Client titled "*Lydia Trull Public School, Mechanical Upgrades*", prepared by DEI Consulting Engineers Inc., dated September 2024.

The **assessed area** is limited to the portion of the building to be renovated, as described in the above detailed document provided by the Client, and identified in the drawings in Appendix I.

It should be noted, Roof Sections 1A & 1B were assessed as part of a previous assessment (Pinchin File 332605.015). The findings of this previous assessment are detailed in this report.

1.0 SUMMARY OF FINDINGS

- Caulking present on the exterior of the louver is presumed to contain asbestos.
- Beige paint on metal ducts and white paint on the concrete deck are lead-containing and lead-based, respectively.
- Low-level lead content is present in grey paint on concrete floor.
- Paint on the exterior of the louver is presumed to be lead-containing.
- Solid lead is presumed present in batteries of emergency lights.
- Crystalline silica is present in concrete and other materials such as masonry.

- Mercury vapour is present in lamp tubes.
- No PCB-containing items were identified.
- Mould or water damage building materials were not observed at the time of the assessment.

2.0 RECOMMENDATIONS

2.1 General

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:

- Sample presumed asbestos-containing caulking and lead-containing paint from the exterior of the louver in the Mechanical Room (Loc. 2), prior to disturbance.
- Any items listed as exclusions in this report, prior to disturbance.

Provide this report to the contractor prior to bidding or commencing work.

2.2 Remedial Work

Remedial work is not required.

2.3 Project Work

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

2.3.1 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.

2.3.2 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 applicable regulations, and/or 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.

2.3.3 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.

2.3.4 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.

3.0 BACKGROUND INFORMATION

3.1 Assessed Area Description Summary

Description Item	Details
Building Use	Elementary School
Floors Above Grade	Two
Floors Below Grade	None
Total Area (square feet)	1,000 (assessed area)
Year of Construction	1998
Structure	Concrete block foundation, structural steel, precast concrete panels/slabs
Exterior Cladding	Brick, metal cladding (not assessed)
HVAC	Roof-top Air Handling Units
Roof	Built-up Roofing
Flooring	Concrete
Wall and Ceiling Finishes	Concrete block

3.2 Existing Reports

3.2.1 Review of Previous Reports

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

- "Hazardous Building Materials Assessment (Pre-construction) Roof Sections 1A and 1B Lydia Trull Public School, 80 Avondale Drive, Courtice, Ontario" Dated October 26, 2023, Pinchin File 332605.015.
- "Hazardous Building Materials Assessment (Preconstruction), Lydia Trull Public School, 80 Avondale Drive, Courtice, Ontario", dated February 28, 2024, Pinchin File 335495.006.

4.0 FINDINGS

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

4.1 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	Material Specific Notes
S0001 ABC	Roofing materials, roof sections 1A & 1B	None Detected	No	20,000 SF	See site specific note 1
S0002 ABC	Light grey caulking on flashing, roof sections 1A & 1B	None Detected	No	140 LF	See site specific note 1
S0003 ABC	Grey caulking on black AHU conduit	None Detected	No	4 SF	See site specific note 1
S0004 ABC	Grey with gold flake duct mastic	None Detected	No	60 SF	See site specific note 1
S0005 ABC	White/beige caulking on walls	None Detected	No	30 LF	See site specific notes 2 & 3
S0006 ABC	Grey firestopping	None Detected	No	25 SF	See site specific note 2

S0007 ABC	Grey caulking on door frame	None Detected	No	25 LF	See site specific notes 2 & 3
S0010 ABC	Grey caulking in expansion joints	None Detected	No	10 LF	-
V9500	Louvre exterior caulking	Presumed Asbestos	Yes	~60 LF	
V0000	Black rubber vibration damper	None	No	2 EA	-
V0000	Primer paint on concrete block walls	None	No	2,500 SF	Paint on concrete block walls

Site Specific Notes:

1. Material assessed during previous assessment (Pinchin File 332605.015).
2. Material assessed during previous assessment (Pinchin File 335495.006).
3. A second phase of material (homogeneous, grey, hard cementitious material) was identified in sample sets 5, 7, 8 and 9. This material is non-asbestos.

General Notes:

Materials identified as Sample Number V0000 were determined to be non-asbestos based on the manufacture date and known end of use of asbestos in these products.

4.1.1 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
- Interior of mechanical equipment
- Mechanical packing, ropes, and gaskets
- Fire resistant doors
- Sealants on pipe threads

4.2 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
L0001	Beige paint on concrete wall	0.00088%	No	2,500 SF
L0002	**Beige paint on metal ductwork**	**0.12%**	**Yes**	**500 SF**
L0003	**Grey paint on concrete floor and pads**	**0.024%**	**Yes**	**1,000 SF**
L0004	**White paint on concrete ceiling**	**0.73%**	**Yes**	**1,000 SF**
L0005	Light green paint on metal pipes	0.0071%	No	30 SF
L0006	Green paint on metal doors	0.0042%	No	40 SF
V9500	Paint on louvre	Presumed Lead	Yes	1 EA

General Notes:

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) are assumed to be insignificant relating to potential exposure from construction disturbance.

4.2.1 Lead Products and Applications

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

Sample Number	Material Description	Confirmed Hazard	Total Quantity Present	Material Specific Notes
V9500	**Batteries In Emer. Lights**	**Yes**	**1 EA**	

General Notes:

Items identified as Sample Number V9500 were observed to be present but could not be definitively determined to contain lead (e.g., inaccessible batteries).

4.2.2 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

4.3 Silica

Crystalline silica is a presumed component of the following materials:

- Poured and pre-cast concrete
- Masonry and mortar

4.4 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	Material Specific Notes
V9000	Light Fixture	Yes	24 EA	
V0000	Manometer	No	6 EA	See Material Specific Note #1

Material Specific Notes:

1. Visual assessment determined manometers do not contain mercury due to prior industry knowledge and known end of use of mercury in these products.

General Notes:

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 and ampules in thermostats).

Items identified as Sample Number V0000 are items that historically may have contained mercury; however, have been visually identified as non-mercury types (e.g., LED lamps, digital or electric thermostats).

4.5 Polychlorinated Biphenyls

PCBs were banned in 1980; however, are found to be present in caulking and sealants until 1985. Based on the building date of construction, PCBs are not expected to be present in caulking.

Based on date of construction and confirmed by visual observations (e.g., evidence of T-5 or T-8 fixtures with electronic ballasts) the fixtures will not contain PCB ballasts.

4.6 Mould and Water Damage

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

5.0 METHODOLOGY

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.

Pinchin conducted an assessment to identify the hazardous building materials as defined in the scope.

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

The assessment did not include limited demolition of wall and ceiling finishes. Limited demolition of masonry block walls (core holes) was conducted to investigate for loose fill vermiculite insulation. Sampling of roofing materials was not conducted during the assessment.

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

6.0 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.

7.0 LIMITATIONS

This work was performed subject to the Terms and Limitations referenced in the Master Service Agreement between Pinchin and the Client.

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.

8.0 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 Project Manager, Calvin Cathcart at 705.772.7933 or ccathcart@pinchin.com should you have any questions.

Sincerely,

Pinchin Ltd.

Prepared by:

Cole Reynolds, B.Sc.
Project Technologist

Project Managed by:

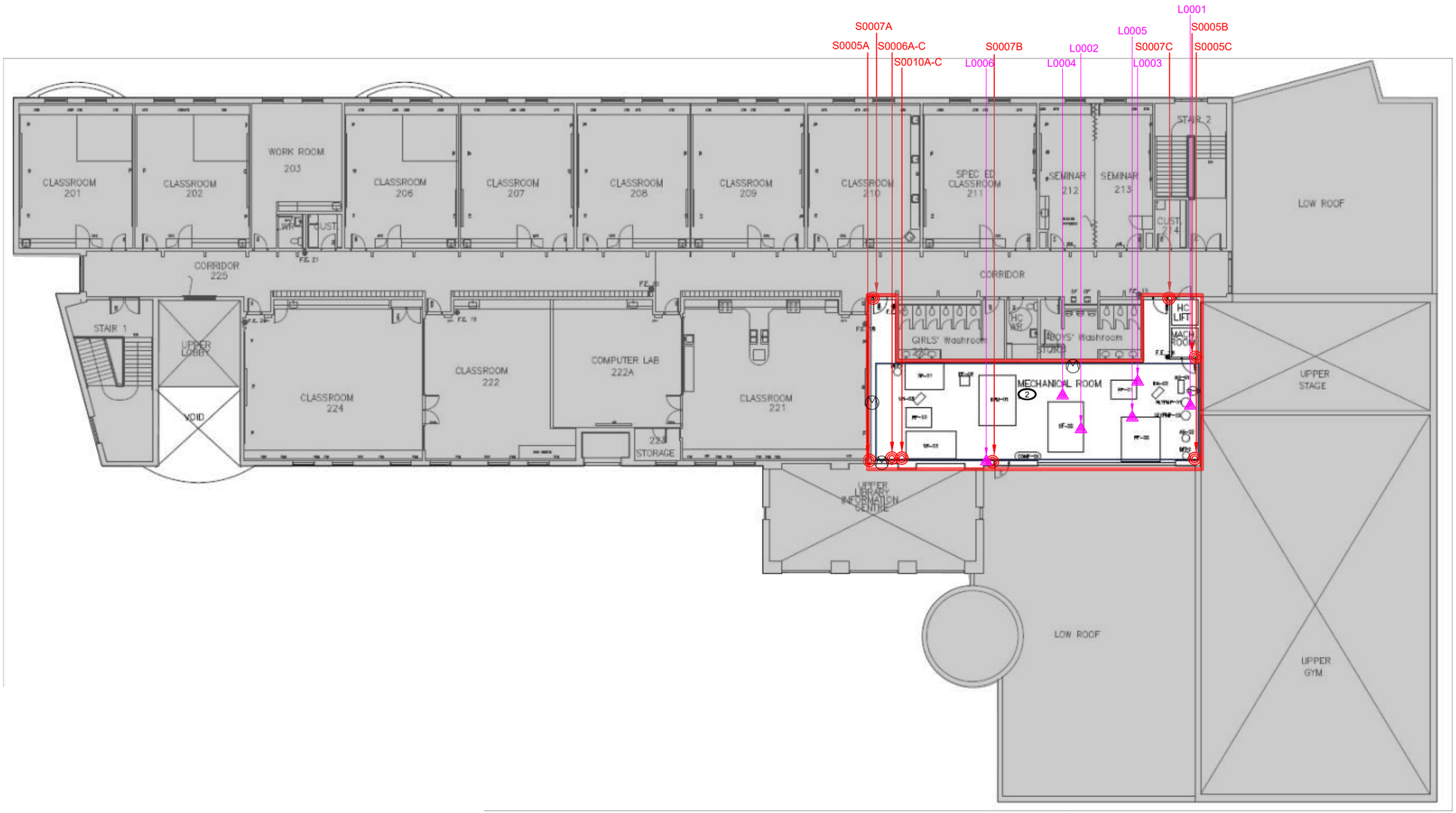
Calvin Cathcart, B.A.Sc., CIH
Senior Project Manager

Reviewed by:

Alex Brett, B.Sc., CRSP
Operations Manager

Encl:	APPENDIX I	Drawings
	APPENDIX II-A	Asbestos Analytical Certificates
	APPENDIX II-B	Lead 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

APPENDIX I
Drawings



N

LEGEND

- (X) PINCHIN LOCATION NUMBER
- ASBESTOS BULK SAMPLE
- LEAD BULK SAMPLE
- (M) VERMICULITE DRILLHOLE
- SURVEY BOUNDARY/ASSESSED AREA
- OUTSIDE ASSESSMENT SCOPE

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.

PINCHIN

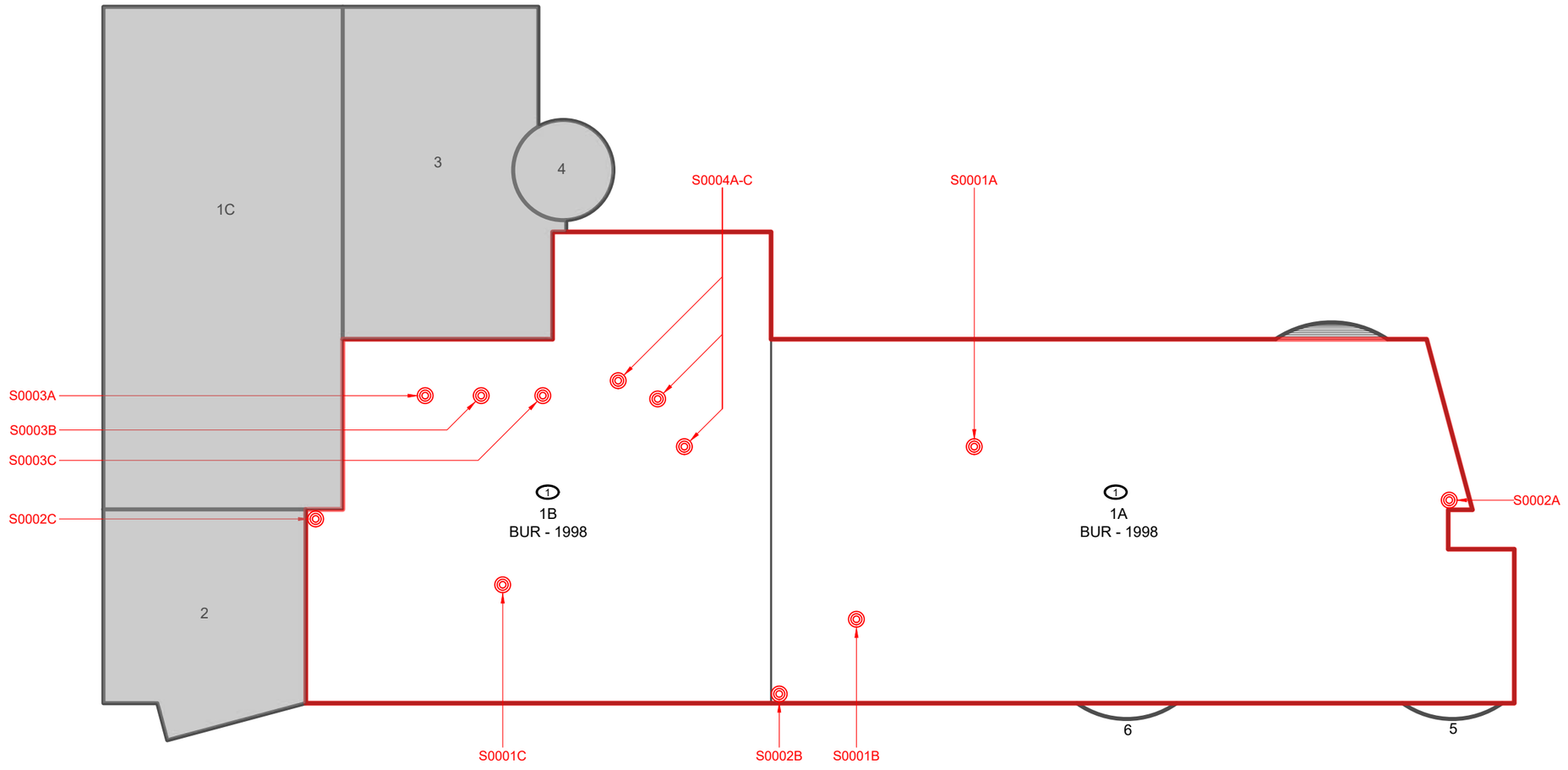
PROJECT NAME:
HAZARDOUS BUILDING MATERIAL ASSESSMENT

CLIENT NAME:
KAWARTHA PINE RIDGE DISTRICT SCHOOL BOARD

PROJECT LOCATION:
LYDIA TRULL PUBLIC SCHOOL
80 AVONDALE DRIVE,
COURTICE, ONTARIO

FIGURE NAME:
SECOND FLOOR

PROJECT NUMBER:	SCALE:
0349417.021	NOT TO SCALE
DRAWN BY:	REVIEWED BY:
JM	CC
DATE:	FIGURE NUMBER:
JANUARY 2025	1 OF 3



N

LEGEND

- PINCHIN LOCATION NUMBER
- ASBESTOS BULK SAMPLE
- LEAD BULK SAMPLE
- VERMICULITE DRILLHOLE
- SURVEY BOUNDARY/ASSESSED AREA
- OUTSIDE ASSESSMENT SCOPE

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.

PINCHIN

PROJECT NAME:
HAZARDOUS BUILDING MATERIAL ASSESSMENT

CLIENT NAME:
KAWARTHA PINE RIDGE DISTRICT SCHOOL BOARD

PROJECT LOCATION:
LYDIA TRULL PUBLIC SCHOOL
80 AVONDALE DRIVE,
COURTICE, ONTARIO

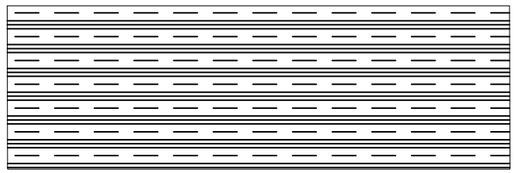
FIGURE NAME:
ROOF

PROJECT NUMBER:	SCALE:
0349417.021	NOT TO SCALE
DRAWN BY:	REVIEWED BY:
JM	CC
DATE:	FIGURE NUMBER:
DECEMBER 2024	2 OF 3

ROOF SECTION - 1A & 1B

3-PLY ASPHALT

1" FIBERBOARD



3" POLY ISO

2-PLY "MOPDOWN"
VAPOUR RETARDER

CONCRETE DECK

N

LEGEND

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.

PINCHIN

PROJECT NAME:
HAZARDOUS BUILDING MATERIAL ASSESSMENT

CLIENT NAME:
KAWARTHA PINE RIDGE DISTRICT SCHOOL BOARD

PROJECT LOCATION:
LYDIA TRULL PUBLIC SCHOOL
80 AVONDALE DRIVE,
COURTICE, ONTARIO

FIGURE NAME:
ROOF COMPOSITION

PROJECT NUMBER:	SCALE:
0349417.021	NOT TO SCALE
DRAWN BY:	REVIEWED BY:
JM	CC
DATE:	FIGURE NUMBER:
JANUARY 2025	3 OF 3

APPENDIX II-A
Asbestos Analytical Certificates

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name:	**KPRDSB, ON**		
Project No.:	**0332605.015**		
Prepared For:	**B. Guindon / R. Northey**		
Lab Reference No.:	**b301564 Revision 1**		
Analyst(s):	**Y. Yan**		
Date Received:	**October 4, 2023**	**Samples Submitted:**	**3**
Date Analyzed:	**October 11, 2023**	**Phases Analyzed:**	**22**

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.

Revision History:

Revision 1 (2023-10-25)	Changed sample description (S0001C).

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: **KPRDSB, ON**
Project No.: **0332605.015**
Prepared For: **B. Guindon / R. Northey**

Lab Reference No.: **b301564 Revision 1**
Date Analyzed: **October 11, 2023**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0001A Roll Roofing, Roofing Material, Roofing Material 1a Roof, Loc:1, Roof Sections 1A and 1B	7 Phases: a) Homogeneous, black, layered, tar material. (bottom section)	None Detected	Tar Material > 75%
	b) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material. (bottom section)	None Detected	Cellulose 50-75% Tar and other Non-Fibrous Material 25-50%
	c) Homogeneous, black, tar-impregnated, compressed, fibrous material. (middle section)	None Detected	Cellulose 25-50% Tar and other Non-Fibrous Material 50-75%
	d) Homogeneous, black, layered, tar material. (top section)	None Detected	Tar Material > 75%
	e) Homogeneous, black, tar-impregnated, compressed, fibrous material. (top section)	None Detected	Man-Made Vitreous Fibres 10-25% Tar and other Non-Fibrous Material > 75%
	f) Homogeneous, black, rubbery, tar material. (top section)	None Detected	Tar and other Non-Fibrous Material > 75%
	g) Homogeneous, black, tar-impregnated, compressed, fibrous material. (top section)	None Detected	Man-Made Vitreous Fibres 25-50% Tar and other Non-Fibrous Material 50-75%
Comments:	Foam and wood material are present on the surface of this sample.		

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: **KPRDSB, ON**
Project No.: **0332605.015**
Prepared For: **B. Guindon / R. Northey**

Lab Reference No.: **b301564 Revision 1**
Date Analyzed: **October 11, 2023**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0001B Roll Roofing, Roofing Material, Roofing Material 1a Sample B, Loc:1, Roof Sections 1A and 1B	6 Phases: a) Homogeneous, black, tar-coated, compressed, fibrous material. (middle section)	None Detected	Cellulose > 75% Man-Made Vitreous Fibres 5-10% Tar and other Non-Fibrous Material 10-25%
	b) Homogeneous, black, tar material. (middle section)	None Detected	Tar Material > 75%
	c) Homogeneous, black, layered, tar material. (top section)	None Detected	Tar and other Non-Fibrous Material > 75%
	d) Homogeneous, black, layered, tar-impregnated, compressed, fibrous material. (top section)	None Detected	Man-Made Vitreous Fibres 25-50% Tar and other Non-Fibrous Material 50-75%
	e) Homogeneous, black, layered, tar material. (top section)	None Detected	Tar Material > 75%
	f) Homogeneous, brown, soft, cementitious material. (top section)	None Detected	Non-Fibrous Material > 75%
Comments:	Foam and wood material are present on the surface of this sample.		

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: **KPRDSB, ON**
Project No.: **0332605.015**
Prepared For: **B. Guindon / R. Northey**

Lab Reference No.: **b301564 Revision 1**
Date Analyzed: **October 11, 2023**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0001C Roll Roofing, Roofing Material, Roofing Material 1a Roof1b Roof, Loc:1, Roof Sections 1B	9 Phases: a) Homogeneous, black, tar-coated, compressed, fibrous material. (bottom section)	None Detected	Cellulose > 75% Man-Made Vitreous Fibres 5-10% Tar and other Non-Fibrous Material 10-25%
	b) Homogeneous, black, tar material. (bottom section)	None Detected	Tar Material > 75%
	c) Homogeneous, black, tar-impregnated, compressed, fibrous material. (middle section)	None Detected	Cellulose 25-50% Man-Made Vitreous Fibres 10-25% Tar and other Non-Fibrous Material 25-50%
	d) Homogeneous, black, tar material. (middle section)	None Detected	Tar and other Non-Fibrous Material > 75%
	e) Homogeneous, black, tar material. (top section)	None Detected	Tar and other Non-Fibrous Material > 75%
	f) Homogeneous, black, tar-impregnated, compressed, fibrous material. (top section)	None Detected	Man-Made Vitreous Fibres 25-50% Tar and other Non-Fibrous Material 50-75%
	g) Homogeneous, black, tar-impregnated, compressed, fibrous material. (top section)	None Detected	Cellulose 10-25% Man-Made Vitreous Fibres 10-25% Tar and other Non-Fibrous Material 50-75%

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: KPRDSB, ON
Project No.: 0332605.015
Prepared For: B. Guindon / R. Northey

Lab Reference No.: b301564 Revision 1
Date Analyzed: October 11, 2023

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
	h) Homogeneous, black, layered, tar material. (top section)	None Detected	Tar Material > 75%
	i) Homogeneous, brown, soft, cementitious material. (top section)	None Detected	Non-Fibrous Material > 75%
Comments:	Foam and wood material are present on the surface of this sample.		

Reviewed by:

Digitally signed by Karina Cockburn
Date: 2023.10.25 12:03:36-04'00'

Reporting Analyst:

Yewen Yan
2023.10.25 12:55:23-03'00'

Analyzed By: YY

Reviewed By: AC

Report Sent By: _____

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

Client Name:	KPRDSB	**Project Address:**	ON
Portfolio/Building No:		**Pinchin File:**	0332605.015
Submitted by:	Bryan Guindon	**Email:**	bguindon@pinchin.com
CC Results to:	Rachel Northey	**CC Email:**	rnorthey@pinchin.com
Date Submitted:	October 02 2023	**Required by:**	October 10 2023
# of Samples:	12 X 3 Split 1/2	**Priority:**	5 Day Turnaround
Year of Building Construction (*Mandatory, Years ONLY*):		1998	
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (*Mandatory Field*):		Pinchin	
HMIS2 Building Reference #:		125545/202382930268742	

To be Completed by Lab Personnel Only:

Lab Reference #:	b301564	**Time:**	24 hour clock		
Received by:	R. Scanlon	**Date:** Oct04/23	Month	Day	Year
Name(s) of Analyst(s):	Y. Yan				

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0001	A	Roll Roofing,Roofing Material,Roofing Material 1a Roof,Loc:1,Roof Sections 1A and 1B a)ND b)ND c)ND d)ND e)ND f)ND g)ND
S	0001	B	Roll Roofing,Roofing Material,Roofing Material 1a Sample B,Loc:1,Roof Sections 1A and 1B a)ND b)ND c)ND d)ND e)ND f)ND
S	0001	C	Roll Roofing,Roofing Material,Roofing Material 1a Roof1b Roof,Loc:1,Roof Sections 1B a)ND b)ND c)ND d)ND e)ND f)ND g)ND h)ND i)ND
S	0002	A	Caulking,Flashing Caulking Roof 1a,Loc:1,Roof Sections 1A and 1B
S	0002	B	Caulking,Flashing Caulking Roof 1a,Loc:1,Roof Sections 1A and 1B
S	0002	C	Caulking,Flashing Caulking Roof 1b,Loc:1,Roof Sections 1A and 1B
S	0003	A	Caulking,Grey Caulking Over Black Ahu Conduit Isolation,Loc:1,Roof Sections 1A and 1B

21

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name:	**KPRDSB, ON**		
Project No.:	**0332605.015**		
Prepared For:	**B. Guindon / R. Northey**		
Lab Reference No.:	**b301565**		
Analyst(s):	**Y. Yan**		
Date Received:	**October 4, 2023**	**Samples Submitted:**	**9**
Date Analyzed:	**October 10, 2023**	**Phases Analyzed:**	**12**

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.

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: **KPRDSB, ON**
Project No.: **0332605.015**
Prepared For: **B. Guindon / R. Northey**

Lab Reference No.: **b301565**
Date Analyzed: **October 10, 2023**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0002A Caulking, Flashing Caulking Roof 1a, Loc:1, Roof Sections 1A and 1B	Homogeneous, light grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0002B Caulking, Flashing Caulking Roof 1a, Loc:1, Roof Sections 1A and 1B	Homogeneous, light grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0002C Caulking, Flashing Caulking Roof 1b, Loc:1, Roof Sections 1A and 1B	Homogeneous, light grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0003A Caulking, Grey Caulking Over Black Ahu Conduit Isolation, Loc:1, Roof Sections 1A and 1B	2 Phases: a) Homogeneous, black, caulking material. b) Homogeneous, green-grey, caulking material.	None Detected None Detected	Tar and other Non-Fibrous Material > 75% Non-Fibrous Material > 75%
S0003B Caulking, Grey Caulking Over Black Ahu Conduit Isolation, Loc:1, Roof Sections 1A and 1B	2 Phases: a) Homogeneous, black, caulking material. b) Homogeneous, green-grey, caulking material.	None Detected None Detected	Tar and other Non-Fibrous Material > 75% Non-Fibrous Material > 75%
S0003C Caulking, Grey Caulking Over Black Ahu Conduit Isolation, Loc:1, Roof Sections 1A and 1B	2 Phases: a) Homogeneous, light grey, caulking material. b) Homogeneous, green-grey, caulking material.	None Detected None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
Comments:	Another phase is present but there was insufficient material submitted to analyze.		

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: **KPRDSB, ON**
Project No.: **0332605.015**
Prepared For: **B. Guindon / R. Northey**

Lab Reference No.: **b301565**
Date Analyzed: **October 10, 2023**

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0004A Duct, Mastic, Grey, A-c Gre Ymastic With Gold Flake Exhaust, Loc:1, Roof Sections 1A and 1B	Homogeneous, grey, mastic material.	None Detected	Vermiculite 10-25% Other Non-Fibrous > 75%
S0004B Duct, Mastic, Grey, Grey Mastic With Gold Flake Exhaust, Loc:1, Roof Sections 1A and 1B	Homogeneous, grey, mastic material.	None Detected	Vermiculite 10-25% Other Non-Fibrous > 75%
S0004C Duct, Mastic, Grey, Grey Mastic With Gold Flake Exhaust, Loc:1, Roof Sections 1A and 1B	Homogeneous, grey, mastic material.	None Detected	Vermiculite 10-25% Other Non-Fibrous > 75%
Comments:	Silicon is present on the surface of this sample.		

Reviewed by:

Jason Stapleton
2023.10.10 12:05:45-03'00'

Reporting Analyst:

Yewen Yan
2023.10.10 10:47:01-03'00'

Analyzed By: Y/

Reviewed By: JS

Report Sent By: _____

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

Client Name:	KPRDSB	**Project Address:**	ON
Portfolio/Building No:		**Pinchin File:**	0332605.015
Submitted by:	Bryan Guindon	**Email:**	bguindon@pinchin.com
CC Results to:	Rachel Northey	**CC Email:**	rnorthey@pinchin.com
Date Submitted:	October 02 2023	**Required by:**	October 10 2023
# of Samples:	12 9 Split 2/2	**Priority:**	5 Day Turnaround
Year of Building Construction (*Mandatory, Years ONLY*):		1998	
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (*Mandatory Field*):		Pinchin	
HMIS2 Building Reference #:		125545/202382930268742	

To be Completed by Lab Personnel Only:

Lab Reference #:	b3c1565	**Time:**	24 hour clock
Received by:	R. Jansson	**Date:** Oct 04/23	Month Day Year
Name(s) of Analyst(s):	V. Y/m		

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0001	A	Roll Roofing,Roofing Material,Roofing Material 1a Roof,Loc:1,Roof Sections 1A and 1B
S	0001	B	Roll Roofing,Roofing Material,Roofing Material 1a Sample B,Loc:1,Roof Sections 1A and 1B
S	0001	C	Roll Roofing,Roofing Material,Roofing Material 1a Roof1b Roof,Loc:1,Roof Sections 1B
S	0002	A	Caulking,Flashing Caulking Roof 1a,Loc:1,Roof Sections 1A and 1B ND
S	0002	B	Caulking,Flashing Caulking Roof 1a,Loc:1,Roof Sections 1A and 1B ND
S	0002	C	Caulking,Flashing Caulking Roof 1b,Loc:1,Roof Sections 1A and 1B ND
S	0003	A	Caulking,Grey Caulking Over Black Ahu Conduit Isolation,Loc:1,Roof Sections 1A and 1B a)ND b)ND

5

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0003	B	Caulking,Grey Caulking Over Black Ahu Conduit Isolation,Loc:1,Roof Sections 1A and 1B a)ND b)ND
S	0003	C	Caulking,Grey Caulking Over Black Ahu Conduit Isolation,Loc:1,Roof Sections 1A and 1B a)ND b)ND
S	0004	A	Duct,Mastic, Grey,A-c Gre Ymastic With Gold Flake Exhaust,Loc:1,Roof Sections 1A and 1B ND
S	0004	B	Duct,Mastic, Grey,Grey Mastic With Gold Flake Exhaust,Loc:1,Roof Sections 1A and 1B ND
S	0004	C	Duct,Mastic, Grey,Grey Mastic With Gold Flake Exhaust,Loc:1,Roof Sections 1A and 1B ND

7

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name:	**Kawartha Pine Ridge District School Board**		
Project No.:	**0349417.021**		
Prepared For:	**C. Reynolds**		
Lab Reference No.:	**b329811**		
Analyst(s):	**K. Cockburn**		
Date Received:	**December 24, 2024**	**Samples Submitted:**	**3**
Date Analyzed:	**January 9, 2025**	**Phases Analyzed:**	**6**

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 for all bulk materials. Please be advised that bulk materials do not include debris, dust, and tape-lift samples, and the analysis and reporting of these materials does not conform with Pinchin Ltd.'s NVLAP accreditation.

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.

Pinchin Ltd. Asbestos Laboratory
Certificate of Analysis

Project Name: Kawartha Pine Ridge District School Board
Project No.: 0349417.021
Prepared For: C. Reynolds

Lab Reference No.: b329811
Date Analyzed: January 9, 2025

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0010A Caulking,Caulking In Expansion Joints,Loc:2,Mechanical Room	2 Phases: a) Homogeneous, beige, caulking material. b) Homogeneous, grey, hard, cementitious material.	None Detected None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
S0010B Caulking,Caulking In Expansion Joints,Loc:2,Mechanical Room	2 Phases: a) Homogeneous, beige, caulking material. b) Homogeneous, grey, hard, cementitious material.	None Detected None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
Comments:	Phase b) is small in size.		
S0010C Caulking,Caulking In Expansion Joints,Loc:2,Mechanical Room	2 Phases: a) Homogeneous, beige, caulking material. b) Homogeneous, grey, hard, cementitious material.	None Detected None Detected	Non-Fibrous Material > 75% Non-Fibrous Material > 75%
Comments:	Phase b) is small in size.		

Reviewed by:

Digitally signed by Pinchin Ltd.
Date: 2025.01.09 16:18:14-05'00'

Reporting Analyst:

Digitally signed by Pinchin Ltd.
Date: 2025.01.09 16:20:34-05'00'

Analyzed by:

Reviewed by:

Report Sent by:

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

Special Instructions:

Client Name:	Kawartha Pine Ridge District School Board	**Project Address:**	ON
Portfolio/Building No:		**Pinchin File:**	349417.021
Submitted by:	Cole Reynolds	**Email:**	ccreynolds@pinchin.com
CC Results to:	Cal Cathcart	**CC Email:**	ccathcart@pinchin.com
Date Submitted:	December 23 2024	**Required by:**	January 2 2024
# of Samples:	3	**Priority:**	5 Day Turnaround
Year of Building Construction (*Mandatory, Years ONLY*):		1998	
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company (*Mandatory Field*):		Pinchin	
HMIS2 Building Reference #:	b329811	143944/2024112028332118	
To be Completed by Lab Personnel Only:			
Lab Reference #:		**Time:**	24 hour clock
Received by:	DEC 24 2024	**Date:**	Month Day Year
Name(s) of Analyst(s):			2025:01:09

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0010	A	Caulking,Caulking In Expansion Joints,Loc:2,Mechanical Room a) ND b) ND
S	0010	B	Caulking,Caulking In Expansion Joints,Loc:2,Mechanical Room a) ND b) ND
S	0010	C	Caulking,Caulking In Expansion Joints,Loc:2,Mechanical Room a) ND b) ND

APPENDIX II-B
Lead Analytical Certificates

Your Project #: 349417.021
Your C.O.C. #: N/A

Attention: Cole Reynolds

Pinchin Ltd
2360 Meadowpine Blvd
Unit # 2
Mississauga, ON
CANADA L5N 6S2

Report Date: 2025/01/02
Report #: R8465114
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4BR667
Received: 2024/12/24, 10:10

Sample Matrix: Paint
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Metals in Paint	6	2025/01/02	2025/01/02	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.

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 #: 349417.021
Your C.O.C. #: N/A

Attention: Cole Reynolds

Pinchin Ltd
2360 Meadowpine Blvd
Unit # 2
Mississauga, ON
CANADA L5N 6S2

Report Date: 2025/01/02
Report #: R8465114
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4BR667
Received: 2024/12/24, 10:10

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 Job #: C4BR667
Report Date: 2025/01/02

Pinchin Ltd
Client Project #: 349417.021
Sampler Initials: CR

ELEMENTS BY ATOMIC SPECTROSCOPY (PAINT)

Bureau Veritas ID		AMPQ01			AMPQ02			
Sampling Date		2024/12/23 12:00			2024/12/23 12:00			
COC Number		N/A			N/A			
	UNITS	L0001, WALL, CONCRETE (POURED), BEIGE PAINT ON MASONRY, LOC:	RDL	MDL	L0002, DUCT, METAL, BEIGE PAINT ON METAL DUCTS, LOC:2, MECHANICAL	RDL	MDL	QC Batch
Metals								
Lead (Pb)	%	0.00088	0.00010	0.000030	0.12	0.00036	0.00011	9853332

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AMPQ03			AMPQ04			
Sampling Date		2024/12/23 12:00			2024/12/23 12:00			
COC Number		N/A			N/A			
	UNITS	L0003, FLOOR, CONCRETE (POURED), GREY PAINT ON CONCRETE FLOO	RDL	MDL	L0004, STRUCTURE, CONCRETE (PRECAST), WHITE PAINT ON CEILING,	RDL	MDL	QC Batch
Metals								
Lead (Pb)	%	0.024	0.00024	0.000072	0.73	0.0031	0.00093	9853332

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AMPQ05			AMPQ06			
Sampling Date		2024/12/23 12:00			2024/12/23 12:00			
COC Number		N/A			N/A			
	UNITS	L0005, PIPING, METAL, LIGHT GREEN PAINT ON PIPES, LOC:2, MECHANICAL	RDL	MDL	L0006, OTHER, METAL, GREEN PAINT ON DOORS, LOC:2, MECHANICAL	RDL	MDL	QC Batch
Metals								
Lead (Pb)	%	0.0071	0.00061	0.00018	0.0042	0.00094	0.00028	9853332

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

TEST SUMMARY

Bureau Veritas ID: AMPQ01 **Collected:** 2024/12/23
Sample ID: L0001, WALL, CONCRETE (POURED), BEIGE PAINT ON MASONRY, LOC: **Shipped:**
Matrix: Paint **Received:** 2024/12/24

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9853332	2025/01/02	2025/01/02	Jolly John

Bureau Veritas ID: AMPQ02 **Collected:** 2024/12/23
Sample ID: L0002, DUCT, METAL, BEIGE PAINT ON METAL DUCTS, LOC:2, MECHANICAL **Shipped:**
Matrix: Paint **Received:** 2024/12/24

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9853332	2025/01/02	2025/01/02	Jolly John

Bureau Veritas ID: AMPQ03 **Collected:** 2024/12/23
Sample ID: L0003, FLOOR, CONCRETE (POURED), GREY PAINT ON CONCRETE FLOO **Shipped:**
Matrix: Paint **Received:** 2024/12/24

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9853332	2025/01/02	2025/01/02	Jolly John

Bureau Veritas ID: AMPQ04 **Collected:** 2024/12/23
Sample ID: L0004, STRUCTURE, CONCRETE (PRECAST), WHITE PAINT ON CEILING, **Shipped:**
Matrix: Paint **Received:** 2024/12/24

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9853332	2025/01/02	2025/01/02	Jolly John

Bureau Veritas ID: AMPQ05 **Collected:** 2024/12/23
Sample ID: L0005, PIPING, METAL, LIGHT GREEN PAINT ON PIPES, LOC:2, MECHANICAL **Shipped:**
Matrix: Paint **Received:** 2024/12/24

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9853332	2025/01/02	2025/01/02	Jolly John

Bureau Veritas ID: AMPQ06 **Collected:** 2024/12/23
Sample ID: L0006, OTHER, METAL, GREEN PAINT ON DOORS, LOC:2, MECHANICAL **Shipped:**
Matrix: Paint **Received:** 2024/12/24

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9853332	2025/01/02	2025/01/02	Jolly John

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

GENERAL COMMENTS

Sample AMPQ02 [L0002, DUCT, METAL, BEIGE PAINT ON METAL DUCTS, LOC:2, MECHANICAL] : 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.

Sample AMPQ03 [L0003, FLOOR, CONCRETE (POURED), GREY PAINT ON CONCRETE FLOO] : 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.

Sample AMPQ04 [L0004, STRUCTURE, CONCRETE (PRECAST), WHITE PAINT ON CEILING,] : 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.

Sample AMPQ05 [L0005, PIPING, METAL, LIGHT GREEN PAINT ON PIPES, LOC:2, MECHANICAL] : 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.

Sample AMPQ06 [L0006, OTHER, METAL, GREEN PAINT ON DOORS, LOC:2, MECHANICAL] : 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 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Bureau Veritas Job #: C4BR667
Report Date: 2025/01/02

QUALITY ASSURANCE REPORT

Pinchin Ltd
Client Project #: 349417.021
Sampler Initials: CR

			Matrix Spike		Method Blank		RPD		QC Standard	
QC Batch	**Parameter**	**Date**	**% Recovery**	**QC Limits**	**Value**	**UNITS**	**Value (%)**	**QC Limits**	**% Recovery**	**QC Limits**
9853332	Lead (Pb)	2025/01/02	NC	75 - 125	<0.00010	%	1.5	35	104	75 - 125

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.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Bureau Veritas Job #: C4BR667
Report Date: 2025/01/02

Pinchin Ltd
Client Project #: 349417.021
Sampler Initials: CR

VALIDATION SIGNATURE PAGE

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

Cristina Carriere, Senior Scientific Specialist

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 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

C4BR667
2024/12/24 10:10

NONT-2024-12-4897

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

RECORD

Invoice Information	Report Information (if differs from invoice)	Project Information (where applicable)	Turnaround Time (TAT) Required
Company Name: Pinchin Ltd.	Company Name:	Quotation #:	[x] Regular TAT (5-7 days) Most analyses
Contact Name: Cole Reynolds; Cal Cathcart	Contact Name:	P.O. #/ AFE#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address:	Address:	Project #: 349417.021	Rush TAT (Surcharges will be applied)
		Site Location:	[ ] 1 Day [ ] 2 Days [ ] 3-4 Days
Phone: Fax:	Phone: Fax:	Site #:	
Email: ccreynolds@pinchin.com; ccathcart@pinchin.com	Email:	Site Location Province: ON	Date Required:
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY		Sampled By: Cole Reynolds	Rush Confirmation #:

Regulation 153	Other Regulations
[ ] Table 1 [ ] Res/Park [ ] Med/ Fine	[ ] CCME [ ] Sanitary Sewer Bylaw
[ ] Table 2 [ ] Ind/Comm [ ] Coarse	[ ] MISA [ ] Storm Sewer Bylaw
[ ] Table 3 [ ] Agri/ Other	[ ] PWQO Region ____
[ ] Table ____	[ ] Other (Specify) ____
FOR RSC (PLEASE CIRCLE) Y / N	[ ] REG 558 (MIN. 3 DAY TAT REQUIRED)
	[ ] REG 406 Table ____

Include Criteria on Certificate of Analysis: Y / N

SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS

Analysis Requested

LABORATORY USE ONLY

CUSTODY SEAL Y / N (Present / Intact) | COOLER TEMPERATURES

COOLING MEDIA PRESENT: Y / N

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
L0001, Wall, Concrete (poured), Beige Paint On Masonry,Loc:	2024-12-23	12:00	BULK									x			
L0002, Duct, Metal, Beige Paint On Metal Ducts,Loc:2,Mecha	2024-12-23	12:00	BULK									x			
L0003, Floor, Concrete (poured), Grey Paint On Concrete Floo	2024-12-23	12:00	BULK									x			
L0004, Structure, Concrete (precast), White Paint On Ceiling,L	2024-12-23	12:00	BULK									x			
L0005, Piping, Metal, Light Green Paint On Pipes,Loc:2,Mecha	2024-12-23	12:00	BULK									x			
L0006, Other, Metal, Green Paint On Doors,Loc:2,Mechanical	2024-12-23	12:00	BULK									x			

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	2024-12-23	12:00		24/12/24	10:10	

APPENDIX III
Methodology

1.0 GENERAL

An investigation 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 investigation 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, or a material that has already become crushed, pulverized, or powdered.

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 of select materials 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 were 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	0.009	90

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 were identified by visual 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.

APPENDIX IV
Location Summary Report

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

LOCATIONS LIST

PINCHIN
1.855.PINCHIN www.pinchin.com

Client:Kawartha Pine Ridge District School Board **Site: 80 Avondale Drive, Courtice, ON**
Building Name: Lydia Trull Public School
Survey Date: **Last Re-Assessment:**
Building Phases: A: 1998

Location No.	Name or Description	Area ft²	Floor No.	Bldg. Phase	Notes
1	Roof Sections 1A and 1B	20000		A	
2	Mechanical Room, room no. 216	1000	2	A	

APPENDIX V
Hazardous Materials Summary Report / Sample Log

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

HAZARDOUS MATERIALS SUMMARY / SAMPLE LOG

PINCHIN
1.855.PINCHIN www.pinchin.com

Client:Kawartha Pine Ridge District School Board **Site: 80 Avondale Drive, Courtice, ON** **Building Name: Lydia Trull Public School** **Survey Date:**

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	S0001 ABC	Other | Roll Roofing | Roofing Material | Roofing Material 1a Roof1b Roof	1	A	0	20000	0	0	None Detected	No	
Asbestos	S0002 ABC	Other | | Caulking | Flashing Caulking Roof 1a	1	A	140	0	0	0	None Detected	No	
Asbestos	S0003 ABC	Other | | Caulking | Grey Caulking Over Black Ahu Conduit Isolation	1	A	0	4	0	0	None Detected	No	
Asbestos	S0004 ABC	Duct | | Mastic, Grey | A-c Grey Mastic With Gold Flake Exhaust	1	A	0	60	0	0	None Detected	No	
Asbestos	S0005 ABC	Other | | Caulking | White/beige Caulking	2	A	30	0	0	0	None Detected	No	
Asbestos	S0006 ABC	Other | | Firestopping (mastic) | Grey Firestopping	2	A	0	25	0	0	None Detected	No	
Asbestos	S0007 ABC	Other | | Caulking | Grey Caulking On Door Frame	2	A	25	0	0	0	None Detected	No	
Asbestos	S0008 ABC	Other | | Firestopping (mastic) | Grey Fireproofing	3	A	20	0	0	0	None Detected	No	
Asbestos	S0009 ABC	Other | | Caulking | Beige Caulking	3	A	45	0	0	0	None Detected	No	
Asbestos	S0010 ABC	Other | | Caulking | Grey Caulking In Expansion Joints	2	A	10	0	0	0	None Detected	No	
Asbestos	V9500	Other | Louver | Caulking | Caulking	1	A	60	0	0	0	Presumed Asbestos	Yes	NF
Asbestos	V0000	Duct | Duct Connector | Rubber | Black Rubber Vibration Damper	2	A	0	0	2	0	Non Asbestos	No	
Asbestos	V0000	Mechanical Equipment | Unit Heater | Not Insulated |	2	A	0	0	2	0	Non Asbestos	No	
Asbestos	V0000	Wall | | Paint |	2,3	A	0	4000	0	0	Non Asbestos	No	
Asbestos	V0000	Wall | | Vermiculite Investigation |	2	A	0	0	3	0	Non Asbestos	No	
Paint	L0001	Wall | Concrete (poured) | Beige Paint On Masonry	2	A	0	2500	0	0		No	-
Paint	L0002	Duct | Metal | Beige Paint On Metal Ducts	2	A	0	500	0	0	Lead (High)	Yes	-
Paint	L0003	Floor | Concrete (poured) | Grey Paint On Concrete Floor	2	A	0	1000	0	0	Lead (Low)	Yes	-
Paint	L0004	Structure | Concrete (precast) | White Paint On Ceiling	2	A	0	1000	0	0	Lead (High)	Yes	-
Paint	L0005	Piping | Metal | Light Green Paint On Pipes	2	A	0	30	0	0		No	-
Paint	L0006	Other | Metal | Green Paint On Doors	2	A	0	40	0	0		No	-
Paint	V9500	Mechanical Equipment | Paint |	3	A	0	500	0	0	Presumed Lead	Yes	-
Paint	V9500	Other | Metal | Paint	1	A	0	0	1	0	Presumed Lead	Yes	-
Paint	V9500	Wall | Paint |	3	A	0	1500	0	0	Presumed Lead	Yes	-
Lead Product	V9500	Batteries In Emer. Lights	2	A	0	0	1	0	Presumed Lead Product	Yes	-

HAZARDOUS MATERIALS SUMMARY / SAMPLE LOG

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Hg	V9000	Light Fixture	2,3	A	0	0	30	0	Hg	Yes	-
Hg	V0000	Manometer	2	A	0	0	6	0	-	No	-

Legend:

Sample number	
S####	Asbestos sample collected
L####	Paint sample collected
P####	PCB sample collected
M####	Mould sample collected
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

Units	
SF	Square feet
LF	Linear feet
EA	Each
%	Percentage

NF	Non Friable material.
F	Friable material
PF	Potentially Friable material

APPENDIX VI
All Data Report

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

ALL DATA REPORT

PINCHIN
1.855.PINCHIN www.pinchin.com

Client: Kawartha Pine Ridge District School Board **Site: 80 Avondale Drive, Courtice, ON** **Building Name: Lydia Trull Public School**
Location: #1 : Roof Sections 1A and 1B **Floor:** **Room #:** **Area (sqft): 20000**
Survey Date: 2024-12-20 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Duct		Mastic, Grey, Grey mastic with gold flake exhaust			C	Y		60			SF	S0004ABC	None Detected	N.D.	None	
Other		Caulking, Grey caulking over black ahu conduit isolation			C	Y		4			SF	S0003ABC	None Detected	N.D.	None	
Other		Caulking, Flashing caulking Roof 1A			C	Y		140			LF	S0002ABC	None Detected	N.D.	None	
Other[1]	Louver	Caulking, Caulking			C	Y		60(7)			LF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Other[2]	Roll Roofing	Roofing material, Roofing Material 1A roof1B roof			C	Y		20000			SF	S0001ABC	None Detected	N.D.	None	
Structure	Deck	Concrete (precast)														

1 - Caulking On Louver From Mechanical Room
2 - Roof 1a

Client: Kawartha Pine Ridge District School Board **Site: 80 Avondale Drive, Courtice, ON** **Building Name: Lydia Trull Public School**
Location: #1 : Roof Sections 1A and 1B **Floor:** **Room #:** **Area (sqft): 20000**
Survey Date: 2024-12-20 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Other[1]	Metal	600		LF		Beige metal flashing		No
Other[2]	Metal	1		EA	V9500	Paint		Presumed Lead

1 - Flashing
2 - Paint on Louver From Mechanical Room

Client: Kawartha Pine Ridge District School Board **Site: 80 Avondale Drive, Courtice, ON** **Building Name: Lydia Trull Public School**
Location: #2 : Mechanical Room **Floor: 2** **Room #: 216** **Area (sqft): 1000**
Survey Date: 2024-12-23 **Last Re-Assessment: 0000-00-00**

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														
Duct	Duct Connector	Rubber, Black rubber vibration damper			C	Y		2			EA	V0000	Non-Asbestos		None	
Floor	All	Concrete (poured)			B	Y		1000			SF					
Mechanical Equipment	Air Handling Unit	Not Insulated		Metal	B	Y		4			EA					
Mechanical Equipment	Unit Heater	Not Insulated			B	Y		2			EA	V0000	Non-Asbestos		None	
Other		Caulking, White/beige caulking			B	Y		30			LF	S0005ABC	None Detected	N.D.	None	
Other[1]		Caulking, Grey caulking on door frames			B	Y		25			LF	S0007ABC	None Detected	N.D.	None	
Other		Caulking, Caulking in expansion joints			B	Y		10			LF	S0010ABC	None Detected	N.D.	None	
Other		Firestopping (mastic), Grey firestopping			B	Y		25			SF	S0006ABC	None Detected	N.D.	None	
Piping		Fibreglass, Fiberglass insulated		Canvas	B	Y										
Piping		Armaflex			B	Y										
Piping		Not Insulated			B	Y										
Structure	All	Concrete (precast)			C	Y		1000			SF					
Wall[2]		Paint			B	Y		2500			SF	V0000	Non-Asbestos		None	
Wall		Vermiculite Investigation			B	Y		3			EA	V0000	Non-Asbestos		None	
Wall	All	Masonry			B	Y		2500			SF					

1 - Grey Caulking
2 - Paint on masonry (concrete block) walls

Client: Kawartha Pine Ridge District School Board **Site: 80 Avondale Drive, Courtice, ON** **Building Name: Lydia Trull Public School**
Location: #2 : Mechanical Room **Floor: 2** **Room #: 216** **Area (sqft): 1000**
Survey Date: 2024-12-23 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete (poured)	2500		SF	L0001	Beige paint on masonry	Pb: 0.00088 %	No
Duct	Metal	500		SF	L0002	Beige paint on metal ducts	Pb: 0.12 %	Lead (High)
Floor	Concrete (poured)	1000		SF	L0003	Grey paint on concrete floor	Pb: 0.024 %	Lead (Low)
Structure	Concrete (precast)	1000		SF	L0004	White paint on ceiling	Pb: 0.73 %	Lead (High)
Piping	Metal	30		SF	L0005	Light green paint on pipes	Pb: 0.0071 %	No
Other	Metal	40		SF	L0006	Green paint on doors	Pb: 0.0042 %	No

Client: Kawartha Pine Ridge District School Board **Site: 80 Avondale Drive, Courtice, ON** **Building Name: Lydia Trull Public School**
Location: #2 : Mechanical Room **Floor: 2** **Room #: 216** **Area (sqft): 1000**
Survey Date: 2024-12-23 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

Client: Kawartha Pine Ridge District School Board **Site: 80 Avondale Drive, Courtice, ON** **Building Name: Lydia Trull Public School**
Location: #2 : Mechanical Room **Floor: 2** **Room #: 216** **Area (sqft): 1000**
Survey Date: 2024-12-23 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Light Fixture[1]	24	EA	V9000	Yes
Manometer[2]	6	EA	V0000	

1 - T8
2 - Non-mercury fluid

Client: Kawartha Pine Ridge District School Board **Site: 80 Avondale Drive, Courtice, ON** **Building Name: Lydia Trull Public School**
Location: #3 : Boiler Room **Floor: 1** **Room #: 128** **Area (sqft): 500**
Survey Date: 2024-12-20 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	All	None Found			C	Y		500			SF					
Floor	All	Concrete (poured)			A	Y		500			SF					
Mechanical Equipment[1]	Boiler	Not Insulated		Metal												
Other[2]		Caulking, Beige caulking			A	Y		45			LF	S0009ABC	None Detected	N.D.	None	
Other		Firestopping (mastic), Grey fireproofing			A	Y		20			LF	S0008ABC	None Detected	N.D.	None	
Piping	All	Metal		Fibreglass												
Structure[3]	All	Masonry			C	Y		500			SF					
Wall[4]		Paint			B	Y		1500			SF	V0000	Non-Asbestos		None	
Wall[5]	All	Masonry			A	Y		1500								

1 - Insulation may be present in the interior of the boiler.
2 - beige caulking around door frame
3 - concrete block
4 - Paint on masonry (concrete block) walls
5 - conocrete block

Client: Kawartha Pine Ridge District School Board **Site: 80 Avondale Drive, Courtice, ON** **Building Name: Lydia Trull Public School**
Location: #3 : Boiler Room **Floor: 1** **Room #: 128** **Area (sqft): 500**
Survey Date: 2024-12-20 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Paint	1500		SF	V9500			Presumed Lead
Mechanical Equipment[1]	Paint	500		SF	V9500			Presumed Lead

1 - painted metal equipment

Client: Kawartha Pine Ridge District School Board **Site: 80 Avondale Drive, Courtice, ON** **Building Name: Lydia Trull Public School**
Location: #3 : Boiler Room **Floor: 1** **Room #: 128** **Area (sqft): 500**
Survey Date: 2024-12-20 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	6	EA	V9000	Yes

Legend:

Sample number	
S####	Asbestos sample collected
L####	Paint sample collected
P####	PCB sample collected
M####	Mould sample collected
V####	Material is visually identified to be identical to S####
V0000	Known non hazardous material
V9000	Material visually identified as a Hazardous Material
V9500	Material is presumed to be a hazardous material

Units	
SF	Square feet
LF	Linear feet
EA	Each
%	Percentage
LF	Linear feet

Other	
A	Access
V	Visible
AP	Air Plenum
F	Friable material
NF	Non Friable material
PF	Potentially Friable material
Pb	Lead
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.
L	The material is partially visible to view when standing on the floor of the room and requires the removal of a building component (e.g. ceiling system or access panels) to view completely and access. Includes partially viewed access points to crawlspaces, attic spaces, etc. without entering. Observations are 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 a hazardous material, either by analytical results or by visible identification.
	The material is presumed to be a hazardous material, based on visual appearance, and was not sampled due to limited access or the non-destructive nature of 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

APPENDIX VII
Photographs

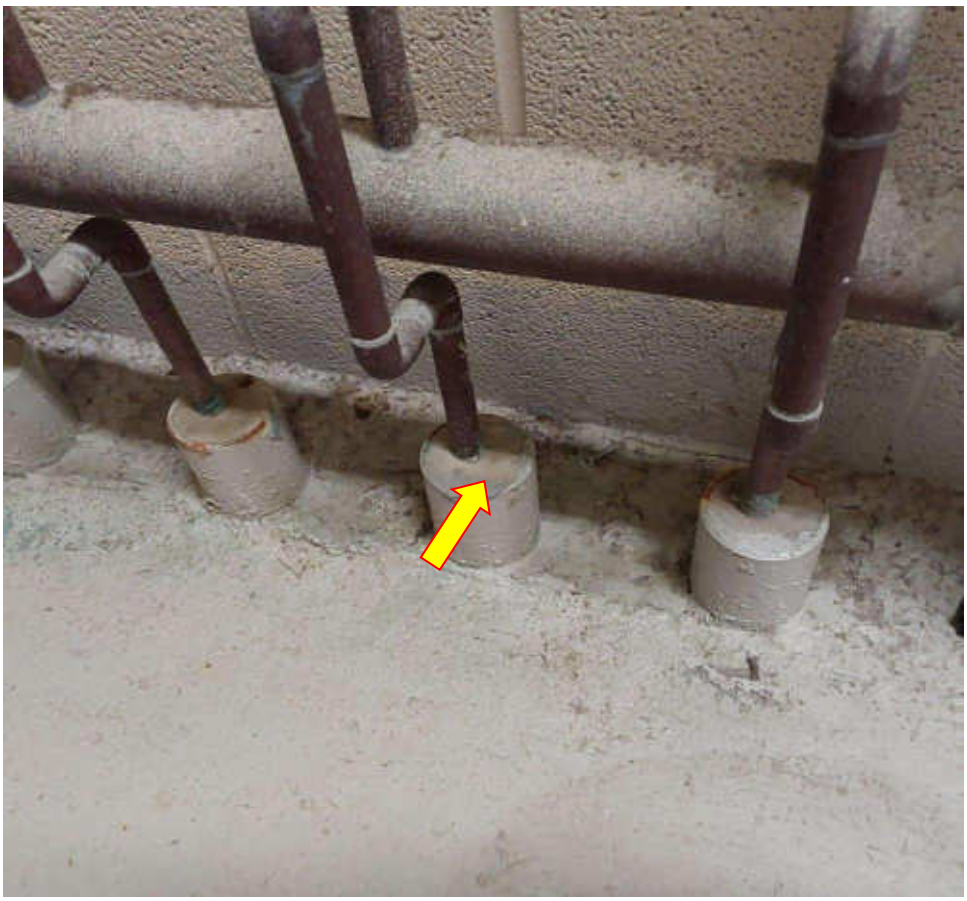
S0001A (None), Roofing material, Roof Sections 1A and 1B (Location #: 1) Roof 1a

S0002A (None), Flashing caulking Roof 1A, Caulking, Roof Sections 1A and 1B (Location #: 1)

S0003C (None), Grey caulking over black Air Handling Unit conduit isolation, Roof Sections 1A and 1B (Location #: 1)

S0004A (None), Grey mastic with gold flake exhaust, Duct, Mastic, Grey, Roof Sections 1A and 1B (Location #: 1)

S0005C (None), White/beige caulking, Other, Caulking, Mechanical Room (Location #: 2)



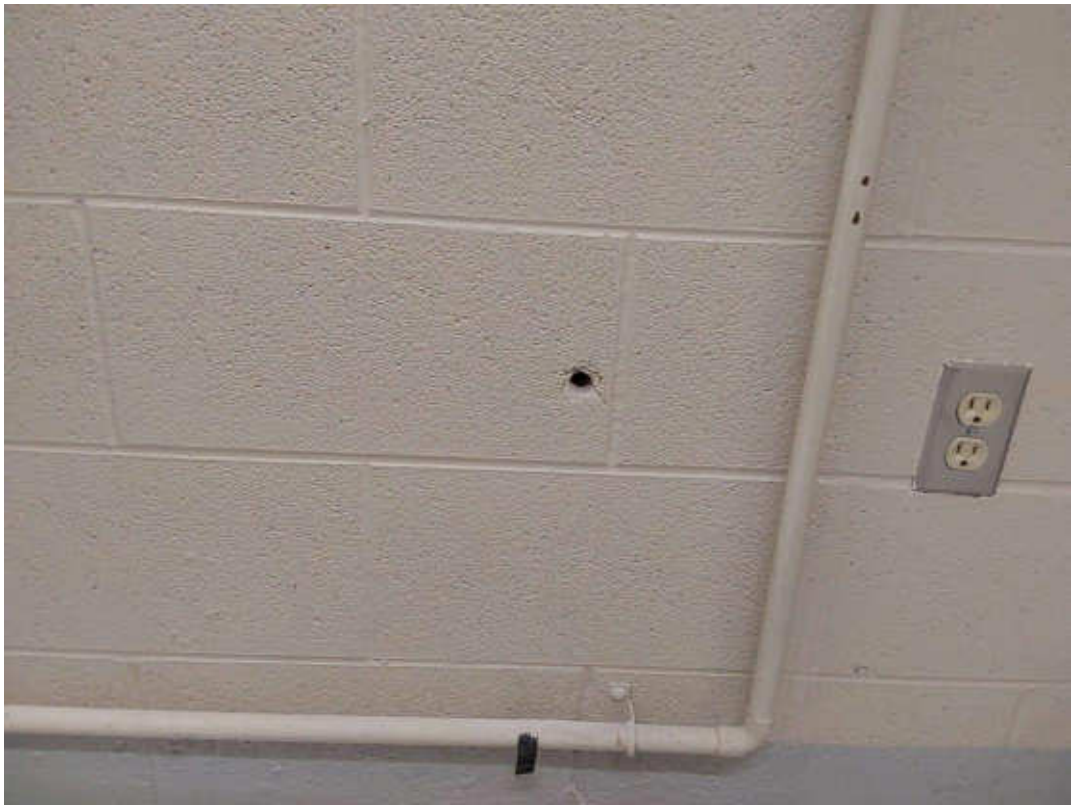
S0006C (None), Grey firestopping, Other, Firestopping (mastic), Mechanical Room (Location #: 2)

S0007C (None), Grey caulking on door frames, Other, Caulking, Mechanical Room (Location #: 2)

S0010C (None), Grey caulking in expansion joints, Other, Caulking, Mechanical Room (Location #: 2)

V0000 (None), Black rubber vibration damper, Duct, Duct Connector, Rubber, Mechanical Room (Location #: 2)

V0000 (None), Mechanical Equipment, Unit Heater, Not Insulated, Mechanical Room (Location #: 2)



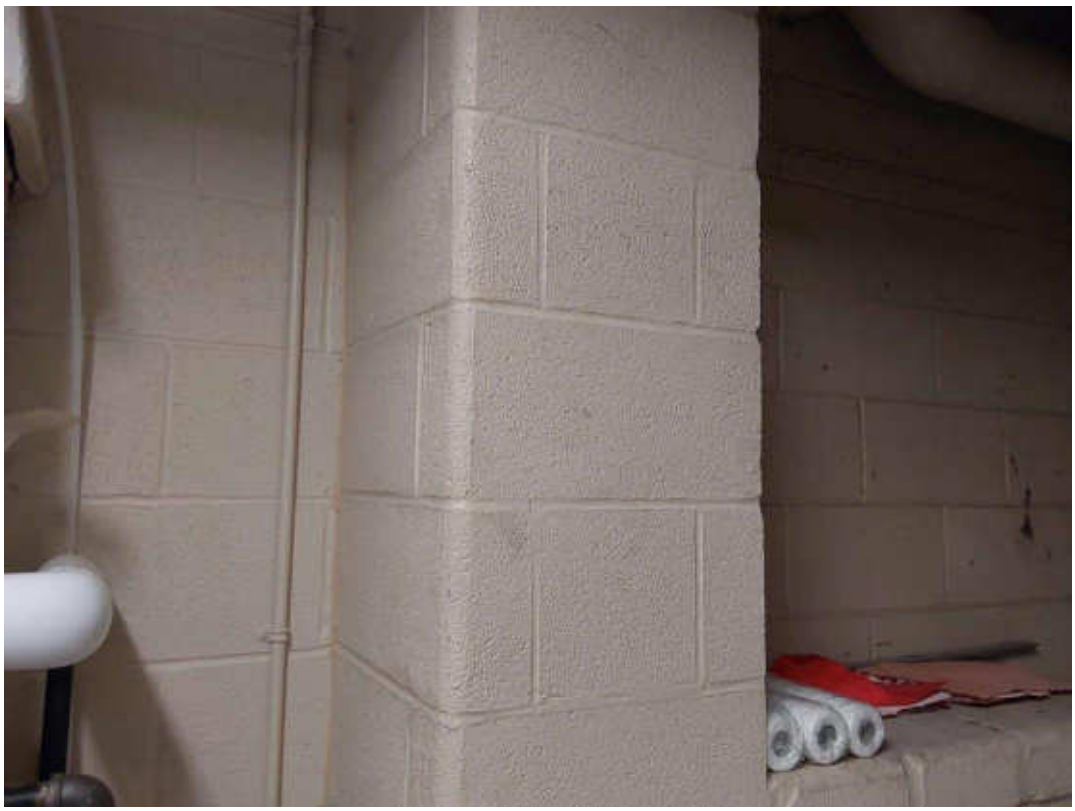
V0000 (None), Wall, Vermiculite Investigation, Mechanical Room (Location #: 2)

Fiberglass insulated, Piping, Fibreglass, Mechanical Room (Location #: 2)

Mechanical Equipment, Air Handling Unit, Not Insulated, Mechanical Room (Location #: 2)

Duct, All, Not Insulated, Mechanical Room (Location #: 2)

Piping, Not Insulated, Mechanical Room (Location #: 2)



L0001(Lead, None), Beige paint on masonry, Wall, Mechanical Room (Location #: 2)

L0002(Lead, High), Beige paint on metal ducts, Duct, Mechanical Room (Location #: 2)

L0003(Lead, Low), Grey paint on concrete floor, Floor, Mechanical Room (Location #: 2)

L0004(Lead, High), White paint on ceiling, Structure, Mechanical Room (Location #: 2)

L0005(Lead, None), Light green paint on pipes, Piping, Mechanical Room (Location #: 2)

L0006(Lead, None), Green paint on doors, Other, Mechanical Room (Location #: 2)

Pb Products, V9500(Presumed), BATTERIES IN EMER. LIGHTS, Mechanical Room (Location #: 2)

Mercury, V9000(Yes), LIGHT FIXTURE, T8, Mechanical Room (Location #: 2)

Mercury, V0000(No), MANOMETER, Non-mercury fluid, Mechanical Room (Location #: 2)

Mechanical Room (Location #: 2)

Building Photo