Halton District School Board

Halton District School Board **Addendum No. 1**

RFT 25-055 - Washroom Renovation - Central Public School

The following, issued by the Halton District School Board (HDSB) May 8, 2025, shall be incorporated in the specifications and shall form part of the proposal document for the above.

ATTACHED

Refer to the attached Hazardous Building Materials Assessment (Pre-construction) (139 pages) and associated specifications (39 pages) dated May 7, 2025 by Pinchin Ltd. for reference.

Contractors are to include all abatement works as part of their base bid and include the scope as a line item within the project Schedule of Values.

RECEIPT OF ADDENDA MUST BE ACKNOWLEDGED ON THE FORM OF QUOTATION.

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END OF ADDENDUM 1

Hazardous Building Materials Assessment (Pre-construction)

Washroom Renovation Project
Central Public School
638 Brant Street, Burlington, Ontario

Prepared for:

Halton District School Board
2050 Guelph Line
Burlington, Ontario, L7P 5A8

May 7, 2025

Pinchin File: 352316.002

Issued to:	**Halton District School Board**
Issued on:	**May 7, 2025**
Pinchin File:	**352316.002**
Issuing Office:	**Hamilton, ON**
Primary Pinchin Contact:	**Jessica Cozzitorto, Team Leader** **905.577.6206** **jcozzitorto@pinchin.com**

Author:	Adam Altena Project Technologist
Reviewer:	Damian Palus, C.E.T. Operations Manager
Project Manager:	Jessica Cozzitorto, C. Tech Team Leader

EXECUTIVE SUMMARY

Halton District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at Central Public School located at 638 Brant Street, Burlington, Ontario. Pinchin performed the assessment on March 24, 2025 and March 27, 2025.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation. The proposed work as identified by the Client includes renovations to the Boys Washroom and Girls Washroom.

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

SUMMARY OF FINDINGS

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

Asbestos:

- Pipe insulation
- Duct insulation (presumed)
- Vinyl floor tile
- Caulking
- Sink mastic

Lead:

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

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

Mercury: Mercury vapour is present in lamp tubes.

Polychlorinated Biphenyls (PCBs): PCBs are not present.

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

SUMMARY OF RECOMMENDATIONS

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

1. Conduct further investigation of the following items, which was not completed during this assessment:
    a. Assessment and sampling of areas and materials outside of the scope of work area for this project if the scope of work changes prior to renovation.
    b. Any items listed as exclusions in this report, prior to disturbance.
2. Do not disturb suspected hazardous building materials discovered during the planned work, which have not been identified in this report and arrange for further evaluation and testing.
3. Remove and properly dispose of asbestos-containing materials prior to demolition or renovation activities.
4. Recycle mercury-containing lamp tubes when removed from service.
5. Follow appropriate safe work procedures when handling or disturbing asbestos, lead and silica.

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

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APPENDICES

1.0 INTRODUCTION AND SCOPE

Halton District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at Central Public School located at 638 Brant Street, Burlington, Ontario.

Pinchin performed the assessment on March 24, 2025 with a return visit on March 27, 2025. The surveyors were unaccompanied during the assessment. The assessed area was unoccupied at the time of the assessment.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation.

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

1.1 Scope of Assessment

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

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

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

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

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

- Arsenic
- Acrylonitrile
- Benzene
- Coke oven emissions
- Ethylene oxide

- Isocyanates
- Vinyl chloride monomer

2.0 METHODOLOGY

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

Destructive testing of flooring was conducted where possible (under ceramic tiles, carpets, or multiple layers of flooring). Demolition of exterior building finishes, masonry walls (chases, shafts etc.), and structural surrounds was not conducted.

Limited demolition of masonry block walls (core holes) was conducted to investigate for loose fill vermiculite insulation. Sampling of roofing materials was not conducted.

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

3.0 BACKGROUND INFORMATION

3.1 Building Description

Description Item	Details
Use	School
Number of Floors	The building is 2 storeys, plus 1 level(s) below grade.
Total Area	The assessed area is 9,200 square feet.
Year of Construction	The building was constructed in 1919 with additions constructed in 1948, 1962, and 1978.
Structure	Poured concrete, concrete block, masonry, metal, wood
Exterior Cladding	Brick and masonry
HVAC	Radiant heating and forced air
Roof	Not assessed
Flooring	Vinyl floor tiles, terrazzo, concrete, ceramic tiles
Interior Walls	Concrete block, plaster, drywall
Ceilings	Acoustic ceiling tiles, plaster, drywall

3.2 Existing Reports

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

- “Survey of Asbestos-containing Materials”, January 27, 2020. Prepared by Arcadis Canada Inc. File No. 30038947.

- "Pre-Renovation Designated Substances and Hazardous Materials Survey", April 17, 2019. Prepared by Arcadis Canada Inc. File No. 702170-107.

4.0 FINDINGS

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

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

4.1 Asbestos

4.1.1 Pipe Insulation

Parging cement, containing asbestos, is present on pipe fittings (elbows, valves, tees, hangers etc.) (sample S0048, photos 1 and 2).

A white corrugated paper insulation (trade name Aircell), containing asbestos, was previously reported present on straight sections of hot water heating system pipes (sample S0049). Aircell was not found during the assessment but may be present in inaccessible locations.

Sweatwrap insulation (brown layered paper), containing asbestos in the brown paper layer and tar paper layers, is present on straight sections of cold system pipes (samples S0046, S0122A-C, photo 3).

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

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

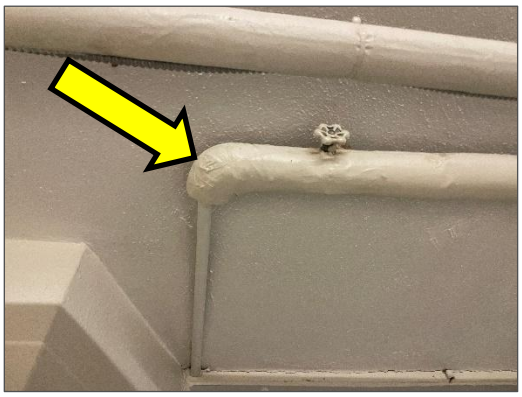


Photo 1

Photo 2

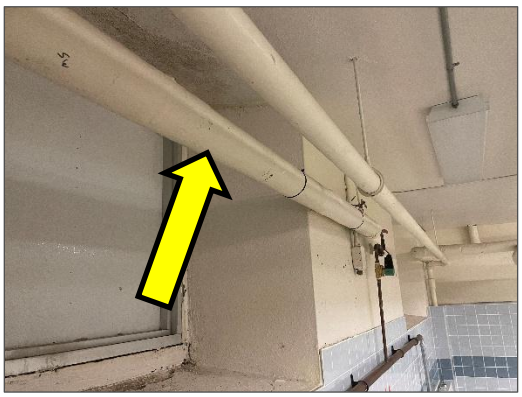


Photo 3

4.1.2 Duct Insulation and Mastic

Asbestos-containing insulation on a duct was previously identified in the Custodian Office (Location 7; sample S0084). The duct is concealed by drywall and inaccessible (photo 1).

Duct insulation, presumed to contain asbestos, is present on ductwork in the Fan Room (Location 11 photo 2). The insulation is not expected to be disturbed as part of the project.

Remaining ducts are either uninsulated or insulated with non-asbestos fibreglass (foil-faced or canvas jacketing).

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

Photo 1

Photo 2

4.1.3 Mechanical Equipment Insulation

Mechanical equipment (furnace, hot water tanks, boilers) is either uninsulated or insulated with non-asbestos fibreglass (photos 1-4).

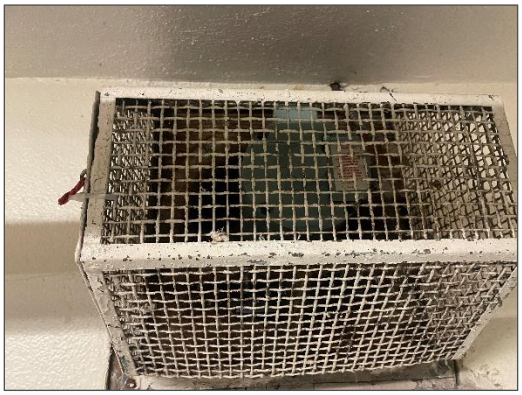


Photo 1

Photo 2

Photo 3

Photo 4

4.1.4 Vermiculite

Destructive testing was conducted of a representative selection of masonry block walls, including creating penetrations at 3 locations. The locations of destructive testing have been indicated on the drawings in Appendix I.

Loose fill vermiculite was not observed within the cavities (photos 1 and 2).

Photo 1

Photo 2

4.1.5 Acoustic Ceiling Tiles

The following is a summary of acoustic ceiling tiles sampled.

Description	Sample Location	Sample Number, Date Code or Material Composition	Asbestos	Photo
24”x48” lay-in, pinhole with deep fleck	Corridor (Location 20)	S0115A-C	No	

Description	Sample Location	Sample Number, Date Code or Material Composition	Asbestos	Photo
24”x48” lay-in, pinhole and fleck	Classroom 15,16,17 (Location 15)	Date stamped; 06/19/14	No	

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

4.1.6 Plaster and Stucco

Textured plaster, containing asbestos, was previously identified on walls and ceilings in Classrooms 15, 16, 17 (Location 15; samples S0094 and S0096). The textured plaster has been removed (photos 1 and 2).

Non-asbestos textured and smooth plaster are present as follows:

- On walls in Classroom 3 (Location 3, samples S0099, photo 2).
- On walls and ceilings in the Corridor (Location 20, samples S0114A-C, S0120A-C, S0121A-C, photos 3 and 4).
- On walls in Classrooms 3 and 4 (Locations 3 and 4, samples S0117A-C, photos 5 and 6).
- On walls and ceilings in the Boys Washroom (Location 12, samples S0118A-E, photo 7).
- On walls and ceilings in the Girls Washroom (Location 1, samples S0119A-D, photo 8).
- On ceilings in the Caretakers Storage (Location 8, samples S0053).
- On walls in the Storage / Crawlspace Entrance (Location 14, samples S0083).

Photo 1

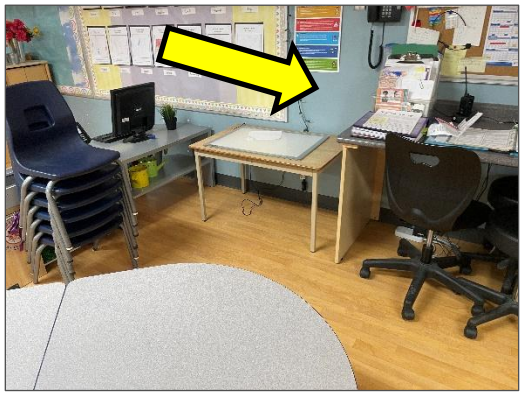


Photo 2

Photo 3

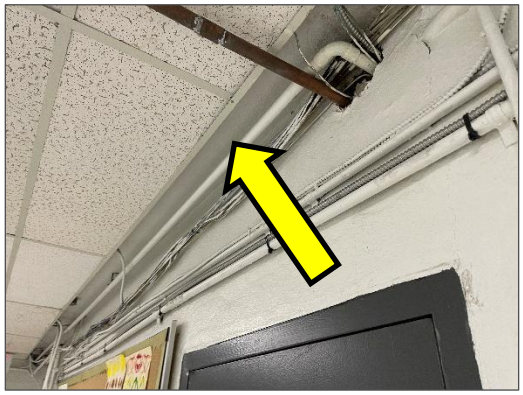


Photo 4

Photo 5

Photo 6

Photo 7

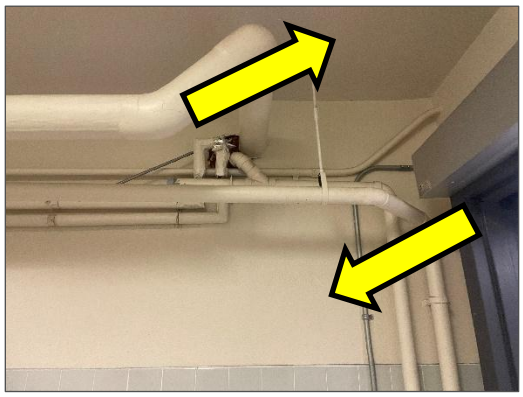


Photo 8

4.1.7 Drywall Joint Compound

Drywall joint compound present on wall and ceiling finishes throughout the assessed area does not contain asbestos (samples S0024, S0086, S0111A-C, photos 1 and 2).

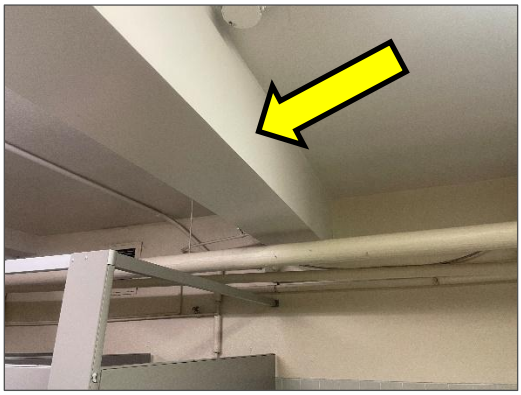


Photo 1

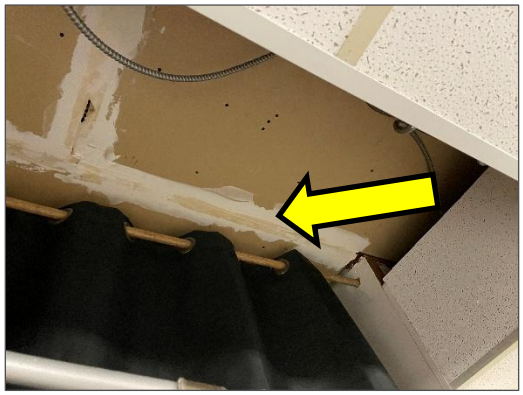
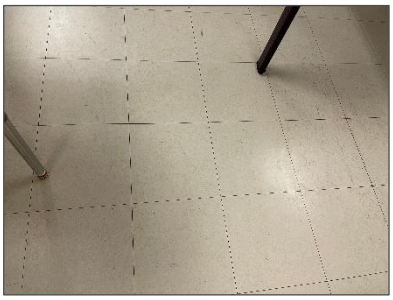
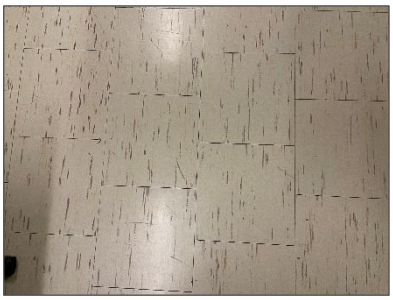
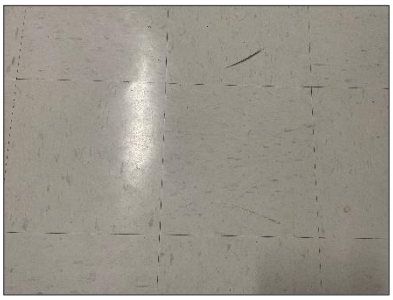


Photo 2

4.1.8 Vinyl Floor Tiles, Baseboard, and Stair Flooring

The following is a summary of vinyl floor tiles sampled.

Description	Sample Location (Location #)	Sample Number	Asbestos (Tile / Adhesive)	Photo
12”x12”, white with faint brown streaks	Classroom 4 (Location 4)	S0031 and S0104A-C	No/No	
12”x12”, beige with brown and orange streaks	Classroom 3 (Location 3) Classroom 4 (Location 4)	S0105A-C	No/No	
9”x9”, under 12”x12” white with faint brown streaks	Classroom 4 (Location 4), presumed present below non-asbestos tiles throughout the Classroom	S0113A-C	Yes / No	
12”x12”, white with grey fleck	Corridor (Location 20)	S0116A-C	No/No	

4.1.9 Firestopping

Firestopping (cementitious) present at pipe and conduit penetrations in Classroom 3 (Location 3) does not contain asbestos (samples S0103A-C, photo 1).

Photo 1

4.1.10 Sealants, Caulking, and Putty

The following is a summary of sealants, caulking, and putties sampled.

Material, Description and Application	Sample Location (Location #)	Sample Number	Asbestos	Photo
Caulking, grey at windows	Exterior, Classroom 3 and Classroom 4 (Location 1948)	S0013A-C	None detected	
Caulking, dark brown on metal cladding	Exterior, Entrance 6 (Location 1919)	S0014A-C	None detected	
Caulking, grey at windows	Boys Washroom (Location 12) Girls Washroom (Location 1)	S0100A-C	None detected	
Putty, at window spandrel	Exterior, Boys Washroom (Location 1919)	S0108A-C	None detected	

Material, Description and Application	Sample Location (Location #)	Sample Number	Asbestos	Photo
Caulking, grey at windows	Exterior, Boys Washroom and Girls Washroom (Location 1919)	S0109A-C	Yes	
Caulking, brown at vent exhaust	Exterior (Location 1919)	S0110A-C	None detected	

4.1.11 Other Building Materials

Asbestos-containing thermal insulation on a cold-water meter, was previously identified in the Caretakers Office (Location 7; samples S0051). The cold-water meter was not observed during this assessment.

Thermal insulation present in the window spandrels on the Boys Washroom Exterior (Location 1919) does not contain asbestos (samples S0107A-C, photo 1).

Thin-set under ceramic tiles on the walls in the Boys Washroom and Girls Washroom (Locations 12 and 1) does not contain asbestos (samples S0106A-C, photo 2).

Terrazzo flooring in the Boys Washroom and Girls Washroom (Locations 12 and 1) does not contain asbestos (samples S0102A-C, photos 3 and 4)

Gold mastic, containing asbestos, is present on the underside of the sink in Classroom 3 (samples S0101A-C, photo 5).

Beige paint present on cast iron pipes throughout the assessed area does not contain asbestos (samples S0112A-C, photos 6 and 7).

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

Photo 7

4.1.12 Excluded Materials

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

- Roofing materials
- Floor levelling compound
- Electrical components
- Refractory materials and insulations in boilers, incinerators, and stacks
- Mechanical packing, ropes, and gaskets
- Soffit and fascia boards
- Fire resistant doors
- Vibration dampers on HVAC equipment
- Ropes and gaskets in cast-iron bell and spigot joints
- Sealants on pipe threads

4.2 Lead

4.2.1 Paints and Surface Coatings

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

The following table summarizes the analytical results of paints sampled.

Sample Number	Colour, Substrate Description	Sample Location	Lead (%)	Photo
L0001	Cream on rough plaster	Boys Washroom (Location 12)	0.091	
L0002	Cream on metal pipe	Boys Washroom (Location 12)	0.13	
L0003	Brown on blue on metal	Exterior, Boys Washroom (Location 1919)	0.29	
L0004	Beige on smooth plaster	Classroom 3 (Location 3)	0.46	

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.

4.2.2 Lead Products and Applications

Lead-containing batteries are present in emergency lighting (photo 1).

Lead caulking is present in bell and spigot fittings on cast iron pipes (photo 2).

Photo 1

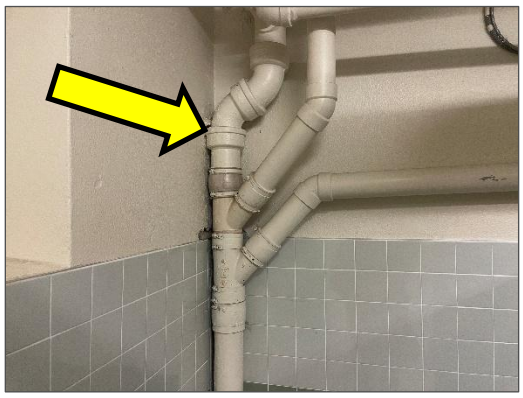


Photo 2

4.2.3 Excluded Lead Materials

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

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

4.3 Silica

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

- Concrete
- Masonry and mortar
- Ceramic tiles and grout
- Plaster
- Stone
- Refractory or ceramic materials

4.4 Mercury

4.4.1 Lamps

Mercury vapour is present in fluorescent lamp tubes (photo 1).

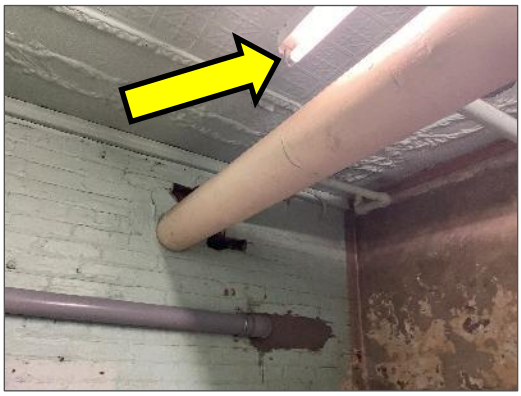


Photo 1

4.4.2 Mercury-Containing Devices

Mercury-containing devices were not found during the assessment.

4.5 Polychlorinated Biphenyls

4.5.1 Caulking and Sealants

The following table presents a summary of caulking sampled:

Material, Colour, Application	Sample Location (Location #)	Sample Number	PCB (mg/kg)	Photo
Caulking, grey on window frames	Boys Washroom Exterior (Location 1919)	P0001	0.2	

Material, Colour, Application	Sample Location (Location #)	Sample Number	PCB (mg/kg)	Photo
Caulking, brown at exhaust vent	Boys Washroom Exterior (Location 1919)	P0002	<0.1	

Caulking is considered non-PCB solid based on the threshold (50 mg/kg).

4.5.2 Lighting Ballasts

Based on information from the Client 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.

4.5.3 Transformers

Transformers were not found during the assessment.

4.5.4 Excluded PCB Materials

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

- Capacitors within or associated with electrical equipment
- Oil impregnated cables

4.6 Mould and Water Damage

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

5.0 RECOMMENDATIONS

5.1 General

1. Prepare scope of work or performance specifications for hazardous material removal required for the planned work. The specifications should include safe work practices, personal protective equipment, respiratory protection, and disposal of waste materials.
2. If suspected hazardous building materials are discovered during the planned work, which are not identified in this report, do not disturb, and arrange for further testing and evaluation.

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

5.2 Building Renovation Work

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

5.2.1 Asbestos

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

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

5.2.2 Lead

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

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

Items painted with paints containing elevated levels of lead may be a hazardous waste. Test lead-painted materials for leachable lead and other metals prior to disposal. Metallic components coated with lead

paint do not require leachate testing and can be disposed of as non-hazardous construction and demolition (C&D) waste.

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

5.2.3 Silica

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

5.2.4 Mercury

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

6.0 TERMS AND LIMITATIONS

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

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

7.0 REFERENCES

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

1. Asbestos on Construction Projects and in Buildings and Repair Operations, Ontario Regulation 278/05.
2. Designated Substances, Ontario Regulation 490/09.
3. Lead on Construction Projects, Ministry of Labour Guidance Document.
4. The Environmental Abatement Council of Canada (EACC) Lead Guideline for Construction, Renovation, Maintenance or Repair.
5. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 347 as amended.

6. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 362 as amended.
7. Silica on Construction Projects, Ministry of Labour Guidance Document.
8. Alert – Mould in Workplace Buildings, Ontario Ministry of Labour.
9. PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.
10. Surface Coating Materials Regulations, SOR/2016-193, Canada Consumer Product Safety Act.
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.
13. Ozone-depleting Substances and Halocarbon Alternatives Regulations, SOR/2016-137.

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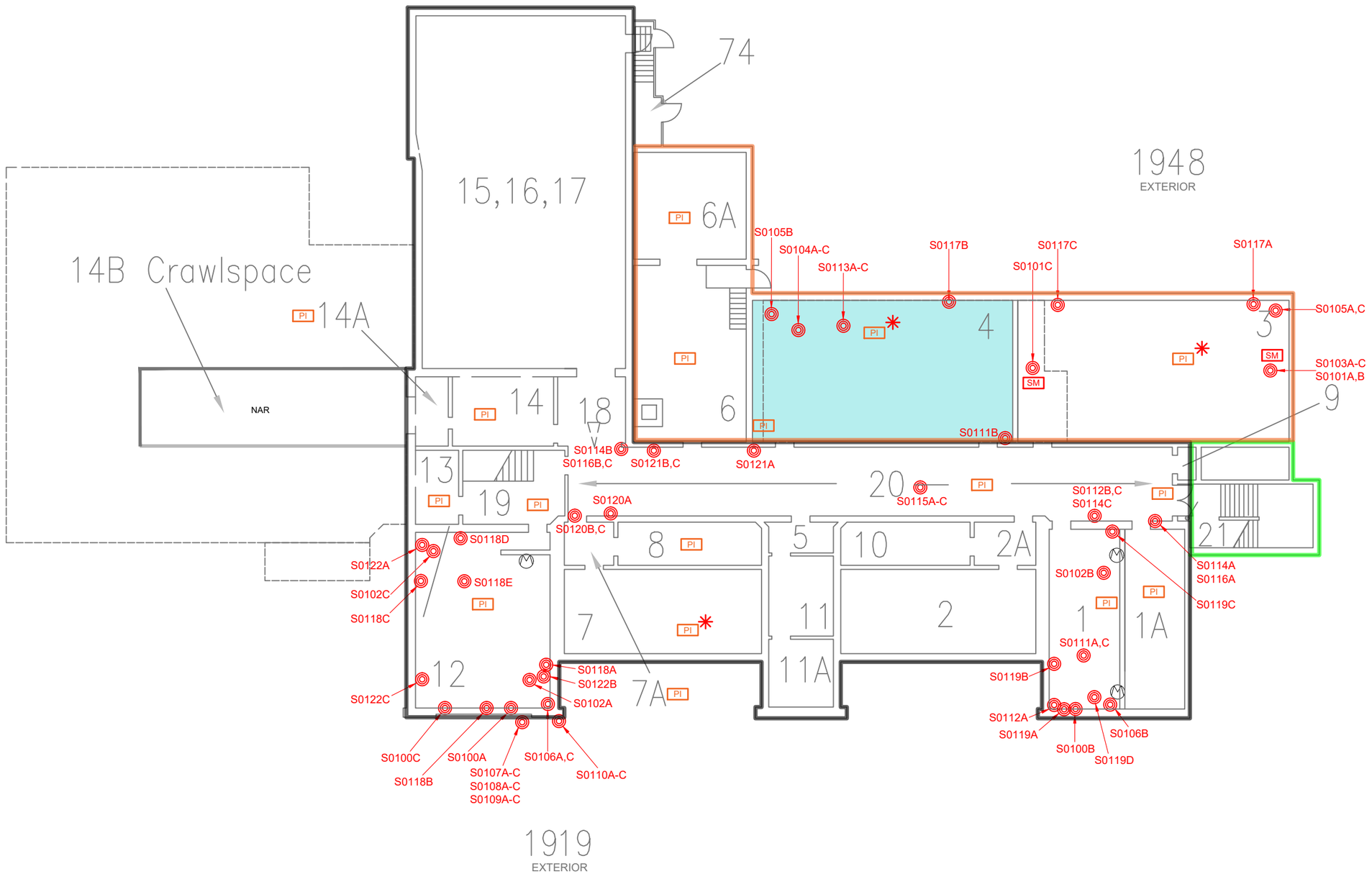
Template: Master Report for Hazardous Materials Assessment (Pre-Construction), HAZ, June 19, 2024

APPENDIX I

Drawings

1919 ORIGINAL
1948 ADDITION
1962 ADDITION
1978 ADDITION



N

LEGEND

XXX ROOM/PINCHIN LOCATION NUMBER

ASBESTOS BULK SAMPLE

VERMICULITE DRILLHOLE

ASBESTOS-CONTAINING MATERIALS:

PIPE INSULATION ABOVE CEILING

PI PIPE INSULATION

SM SINK MASTIC

VINYL FLOOR TILES

FOR CLARITY, THE FOLLOWING ASBESTOS-CONTAINING MATERIALS, ARE PRESENT IN THE ASSESSED AREA, BUT HAVE NOT BEEN HATCHED ON THE DRAWING:

- CAULKING

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

Halton District School Board

PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT

CLIENT NAME:
HALTON DISTRICT SCHOOL BOARD

PROJECT LOCATION:
CENTRAL PUBLIC SCHOOL, 638 BRANT STREET, BURLINGTON, ONTARIO

FIGURE NAME:
BASEMENT

PROJECT NUMBER:	SCALE:
352316.002	NOT TO SCALE
DRAWN BY:	REVIEWED BY:
KU	DP
DATE:	FIGURE NUMBER:
APRIL 2025	1 OF 1

APPENDIX II-A

Asbestos Analytical Certificates

Your Project #: 352316.002
Site#: CENTRAL PS
Site Location: ON
Your C.O.C. #: 1025554

Attention: Pinchin Asbestos Lab

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

Report Date: 2025/04/03
Report #: R8514420
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534507
Received: 2025/03/28, 14:22

Sample Matrix: Solid
Samples Received: 54

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Asbestos by PLM - 0.5 RDL (1)	54	N/A	2025/04/03	COR3SOP-00002	EPA 600R-93/116

Remarks:

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

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

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.

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

This report may not be reproduced, except in full, without the written approval of Bureau Veritas. This report may not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any other agency of the U.S. Government.

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

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

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

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

Your Project #: 352316.002
Site#: CENTRAL PS
Site Location: ON
Your C.O.C. #: 1025554

Attention: Pinchin Asbestos Lab

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

Report Date: 2025/04/03
Report #: R8514420
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534507

Received: 2025/03/28, 14:22

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

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Nilushi Mahathantila, Project Manager
Email: Nilushi.Mahathantila@bureauveritas.com
Phone# (905) 817-5700

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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 #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0100A,Window Frame,Caulking,Grey Caulking,Loc:12,Boys Washroom

Bureau Veritas ID: APJU01 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

S0100B,Window Frame,Caulking,Grey Caulking,Loc:1,Girls Washroom

Bureau Veritas ID: APJU02 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

S0100C,Window Frame,Caulking,Grey Caulking,Loc:12,Boys Washroom

Bureau Veritas ID: APJU03 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0101A,Sink,Mastic, Gold,Loc:3,Classroom

Bureau Veritas ID: APJU04 — Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos		Other Fibres	Particulate
Layer 1	100	Homogeneous black mastic	**Chrysotile**	1%		Non-Fibrous

S0101B,Sink,Mastic, Gold,Loc:3,Classroom

Bureau Veritas ID: APJU05 — Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1			N/A		
	Comment:	Not Analyzed - Positive Stop			

S0101C,Sink,Mastic, Gold,Loc:3,Classroom

Bureau Veritas ID: APJU06 — Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1			N/A		
	Comment:	Not Analyzed - Positive Stop			

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0102A,Floor,Terrazzo,Light Large Pebble,Loc:12,Boys Washroom

Bureau Veritas ID: APJU07 | Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey/beige terrazzo flooring	Not Detected		Non-Fibrous

S0102B,Floor,Terrazzo,Light Large Pebble,Loc:1,Girls Washroom

Bureau Veritas ID: APJU08 | Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey/beige terrazzo flooring	Not Detected		Non-Fibrous

S0102C,Floor,Terrazzo,Dark Small Pebble,Loc:12,Boys Washroom

Bureau Veritas ID: APJU09 | Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey/beige terrazzo flooring	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0103A,Piping,Sink,Parging Cement,At Sink Penetration,Loc:3,Classroom

Bureau Veritas ID: APJU10 — Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous grey fibrous material	Not Detected	Cellulose	30%	Non-Fibrous
				Synthetic fibres	40%	

S0103B,Piping,Sink,Parging Cement,At Sink Penetration,Loc:3,Classroom

Bureau Veritas ID: APJU11 — Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous grey fibrous material	Not Detected	Cellulose	30%	Non-Fibrous
				Synthetic fibres	40%	

S0103C,Piping,Sink,Parging Cement,At Sink Penetration,Loc:3,Classroom

Bureau Veritas ID: APJU12 — Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous grey fibrous material	Not Detected	Cellulose	30%	Non-Fibrous
				Synthetic fibres	40%	

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0104A,Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Faint Brown Streaks,Loc:4,Classroom [ONL Y ANALYZE MASTIC]

Bureau Veritas ID: APJU13 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous black mastic	Not Detected		Non-Fibrous

S0104B,Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Faint Brown Streaks,Loc:4,Classroom [ONL Y ANALYZE MASTIC]

Bureau Veritas ID: APJU14 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous black mastic	Not Detected		Non-Fibrous

S0104C,Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Faint Brown Streaks,Loc:4,Classroom [ONL Y ANALYZE MASTIC]

Bureau Veritas ID: APJU15 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous black mastic	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0105A,Floor,Vinyl Floor Tile And Mastic,12x12 Beige W/ Brown And Orange Streaks,Loc:3,Classroom

Bureau Veritas ID: APJU16 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous

S0105B,Floor,Vinyl Floor Tile And Mastic,12x12 Beige W/ Brown And Orange Streaks,Loc:4,Classroom

Bureau Veritas ID: APJU17 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0105C,Floor,Vinyl Floor Tile And Mastic,12x12 Beige W/ Brown And Orange Streaks,Loc:3,Classroom

Bureau Veritas ID: APJU18 | Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous

S0106A,Wall,Thin-set,Loc:12,Boys Washroom

Bureau Veritas ID: APJU19 | Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous off-white/grey thinset	Not Detected		Non-Fibrous

S0106B,Wall,Thin-set,Loc:1,Girls Washroom

Bureau Veritas ID: APJU20 | Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous off-white/grey thinset	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0106C,Wall,Thin-set,Loc:12,Boys Washroom

Bureau Veritas ID: APJU21 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous off-white/grey thinset	Not Detected			Non-Fibrous

S0107A,Spandrel Panel,Thermal Insulation,Cellulose,Loc:1919,1919 Exterior

Bureau Veritas ID: APJU22 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous brown fibrous material	Not Detected	Cellulose	90%	Non-Fibrous

S0107B,Spandrel Panel,Thermal Insulation,Cellulose,Loc:1919,1919 Exterior

Bureau Veritas ID: APJU23 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous brown fibrous material	Not Detected	Cellulose	90%	Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0107C,Spandrel Panel,Thermal Insulation,Cellulose,Loc:1919,1919 Exterior

Bureau Veritas ID: APJU24 — Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous brown fibrous material	Not Detected	Cellulose	90%	Non-Fibrous

S0108A,Spandrel Panel,Putty,Loc:1919,1919 Exterior

Bureau Veritas ID: APJU25 — Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous black sealant	Not Detected		Non-Fibrous

S0108B,Spandrel Panel,Putty,Loc:1919,1919 Exterior

Bureau Veritas ID: APJU26 — Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous black sealant	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0108C,Spandrel Panel,Putty,Loc:1919,1919 Exterior

Bureau Veritas ID: APJU27 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous black sealant	Not Detected		Non-Fibrous

S0109A,Window Frame,Caulking,Grey,Loc:1919,1919 Exterior

Bureau Veritas ID: APJU28 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	50	Homogeneous grey hard caulking	**Chrysotile** 2%		Non-Fibrous
Layer 2	50	Homogeneous grey soft caulking	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0109B,Window Frame,Caulking,Grey,Loc:1919,1919 Exterior

Bureau Veritas ID: APJU29 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	50	Homogeneous grey hard caulking	N/A		
	Comment:	Not Analyzed - Positive Stop			
Layer 2	50	Homogeneous grey soft caulking	Not Detected		Non-Fibrous

S0109C,Window Frame,Caulking,Grey,Loc:1919,1919 Exterior

Bureau Veritas ID: APJU30 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	90	Homogeneous grey hard caulking	N/A		
	Comment:	Not Analyzed - Positive Stop			
Layer 2	10	Homogeneous grey soft caulking	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0110A,Mechanical Equipment,Exhaust,Caulking,Brown,Loc:1919,1919 Exterior

Bureau Veritas ID: APJU31 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

S0110B,Mechanical Equipment,Exhaust,Caulking,Brown,Loc:1919,1919 Exterior

Bureau Veritas ID: APJU32 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

S0110C,Mechanical Equipment,Exhaust,Caulking,Brown,Loc:1919,1919 Exterior

Bureau Veritas ID: APJU33 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey caulking	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0111A,Ceiling,Drywall And Joint Compound,Bulkheads,Loc:1,Girls Washroom

Bureau Veritas ID: APJU34 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0111B,Wall,Drywall And Joint Compound,Around Ducts,Loc:4,Classroom

Bureau Veritas ID: APJU35 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

S0111C,Ceiling,Drywall And Joint Compound,Bulkheads,Loc:1,Girls Washroom

Bureau Veritas ID: APJU36 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous white drywall joint compound	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0112A,Piping,Sanitary Drain,Paint,Paint On Cast Iron,Loc:1,Girls Washroom

Bureau Veritas ID: APJU37 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous green paint	Not Detected		Non-Fibrous

S0112B,Piping,Unidentified Pipe,Paint,Loc:20,Corridor

Bureau Veritas ID: APJU38 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey paint	Not Detected		Non-Fibrous

S0112C,Piping,Unidentified Pipe,Paint,Loc:20,Corridor

Bureau Veritas ID: APJU39 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey paint	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0113A,Floor,Vinyl Floor Tile And Mastic,9x9 Under 12x12 White W/ Faint Brown Streaks,Loc:4,Classroom

Bureau Veritas ID: APJU40 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos		Other Fibres	Particulate
Layer 1	95	Homogeneous brown vinyl floor tile	**Chrysotile**	2%		Non-Fibrous
Layer 2	5	Homogeneous black mastic	Not Detected			Non-Fibrous

S0113B,Floor,Vinyl Floor Tile And Mastic,9x9 Under 12x12 White W/ Faint Brown Streaks,Loc:4,Classroom

Bureau Veritas ID: APJU41 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous brown vinyl floor tile	N/A		
	Comment:	Not Analyzed - Positive Stop			
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0113C,Floor,Vinyl Floor Tile And Mastic,9x9 Under 12x12 White W/ Faint Brown Streaks,Loc:4,Classroom

Bureau Veritas ID: APJU42 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous brown vinyl floor tile	N/A		
	Comment:	Not Analyzed - Positive Stop			
Layer 2	5	Homogeneous black mastic	Not Detected		Non-Fibrous

S0114A,Wall,Plaster,Textured Plaster, Lower Half Of Wall,Loc:20,Corridor

Bureau Veritas ID: APJU43 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	50	Homogeneous grey/brown textured plaster (under paint)	Not Detected		Non-Fibrous
Layer 2	50	Homogeneous grey plaster	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0114B,Wall,Plaster,Textured Plaster, Lower Half Of Wall,Loc:20,Corridor

Bureau Veritas ID: APJU44 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	50	Homogeneous grey/brown textured plaster (under paint)	Not Detected		Non-Fibrous
Layer 2	50	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0114C,Wall,Plaster,Textured Plaster, Lower Half Of Wall,Loc:20,Corridor

Bureau Veritas ID: APJU45 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	50	Homogeneous grey/brown textured plaster (under paint)	Not Detected		Non-Fibrous
Layer 2	50	Homogeneous grey plaster	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0115A,Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W/ Deep Fleck,Loc:20,Corridor

Bureau Veritas ID: APJU46 — Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous grey ceiling tile	Not Detected	Cellulose	35%	Non-Fibrous
				Fibrous Glass	45%	

S0115B,Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W/ Deep Fleck,Loc:20,Corridor

Bureau Veritas ID: APJU47 — Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous grey ceiling tile	Not Detected	Cellulose	35%	Non-Fibrous
				Fibrous Glass	45%	

S0115C,Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W/ Deep Fleck,Loc:20,Corridor

Bureau Veritas ID: APJU48 — Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous grey ceiling tile	Not Detected	Cellulose	35%	Non-Fibrous
				Fibrous Glass	45%	

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0116A,Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Grey Fleck,Loc:20,Corridor

Bureau Veritas ID: APJU49 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous yellow/grey mastic/levelling compound	Not Detected		Non-Fibrous

S0116B,Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Grey Fleck,Loc:20,Corridor

Bureau Veritas ID: APJU50 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous yellow/grey mastic/levelling compound	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0116C,Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Grey Fleck,Loc:20,Corridor

Bureau Veritas ID: APJU51 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Not Detected		Non-Fibrous
Layer 2	5	Homogeneous yellow/grey mastic/levelling compound	Not Detected		Non-Fibrous

S0117A,Wall,Plaster,Smooth,Loc:3,Classroom

Bureau Veritas ID: APJU52 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	80	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	20	Homogeneous grey plaster	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

Asbestos Analytical Results

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

S0117B,Wall,Plaster,Smooth,Loc:4,Classroom

Bureau Veritas ID: APJU53 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	80	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	20	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0117C,Wall,Plaster,Smooth,Loc:3,Classroom

Bureau Veritas ID: APJU54 Date Analyzed: 2025/04/03

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	80	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	20	Homogeneous grey plaster	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

TEST SUMMARY

Bureau Veritas ID: APJU01 **Collected:** 2025/03/24
Sample ID: S0100A,Window Frame,Caulking,Grey Caulking,Loc:12,Boys Washroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU02 **Collected:** 2025/03/24
Sample ID: S0100B,Window Frame,Caulking,Grey Caulking,Loc:1,Girls Washroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU03 **Collected:** 2025/03/24
Sample ID: S0100C,Window Frame,Caulking,Grey Caulking,Loc:12,Boys Washroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU04 **Collected:** 2025/03/24
Sample ID: S0101A,Sink,Mastic, Gold,Loc:3,Classroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU05 **Collected:** 2025/03/24
Sample ID: S0101B,Sink,Mastic, Gold,Loc:3,Classroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU06 **Collected:** 2025/03/24
Sample ID: S0101C,Sink,Mastic, Gold,Loc:3,Classroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU07 **Collected:** 2025/03/24
Sample ID: S0102A,Floor,Terrazzo,Light Large Pebble,Loc:12,Boys Washroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

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TEST SUMMARY

Bureau Veritas ID: APJU08 **Collected:** 2025/03/24
Sample ID: S0102B,Floor,Terrazzo,Light Large Pebble,Loc:1,Girls Washroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU09 **Collected:** 2025/03/24
Sample ID: S0102C,Floor,Terrazzo,Dark Small Pebble,Loc:12,Boys Washroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU09 Dup **Collected:** 2025/03/24
Sample ID: S0102C,Floor,Terrazzo,Dark Small Pebble,Loc:12,Boys Washroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU10 **Collected:** 2025/03/24
Sample ID: S0103A,Piping,Sink,Parging Cement,At Sink Penetration,Loc:3,Classroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU11 **Collected:** 2025/03/24
Sample ID: S0103B,Piping,Sink,Parging Cement,At Sink Penetration,Loc:3,Classroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU12 **Collected:** 2025/03/24
Sample ID: S0103C,Piping,Sink,Parging Cement,At Sink Penetration,Loc:3,Classroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU13 **Collected:** 2025/03/24
Sample ID: S0104A,Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Faint Brown Streaks,Loc:4,Classroom,[ONLY ANALYZE MASTIC] **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

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Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

TEST SUMMARY

Bureau Veritas ID: APJU14 **Collected:** 2025/03/24
Sample ID: S0104B,Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Faint Brown Streaks,Loc:4,Classroom [ONLY ANALYZE MASTIC] **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU15 **Collected:** 2025/03/24
Sample ID: S0104C,Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Faint Brown Streaks,Loc:4,Classroom [ONLY ANALYZE MASTIC] **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU16 **Collected:** 2025/03/24
Sample ID: S0105A,Floor,Vinyl Floor Tile And Mastic,12x12 Beige W/ Brown And Orange Streaks,Loc:3,Classroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU17 **Collected:** 2025/03/24
Sample ID: S0105B,Floor,Vinyl Floor Tile And Mastic,12x12 Beige W/ Brown And Orange Streaks,Loc:4,Classroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU18 **Collected:** 2025/03/24
Sample ID: S0105C,Floor,Vinyl Floor Tile And Mastic,12x12 Beige W/ Brown And Orange Streaks,Loc:3,Classroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU19 **Collected:** 2025/03/24
Sample ID: S0106A,Wall,Thin-set,Loc:12,Boys Washroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU19 Dup **Collected:** 2025/03/24
Sample ID: S0106A,Wall,Thin-set,Loc:12,Boys Washroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

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TEST SUMMARY

Bureau Veritas ID: APJU20 **Collected:** 2025/03/24
Sample ID: S0106B,Wall,Thin-set,Loc:1,Girls Washroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU21 **Collected:** 2025/03/24
Sample ID: S0106C,Wall,Thin-set,Loc:12,Boys Washroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU22 **Collected:** 2025/03/24
Sample ID: S0107A,Spandrel Panel,Thermal Insulation,Cellulose,Loc:1919,1919 Exterior **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU23 **Collected:** 2025/03/24
Sample ID: S0107B,Spandrel Panel,Thermal Insulation,Cellulose,Loc:1919,1919 Exterior **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU24 **Collected:** 2025/03/24
Sample ID: S0107C,Spandrel Panel,Thermal Insulation,Cellulose,Loc:1919,1919 Exterior **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU25 **Collected:** 2025/03/24
Sample ID: S0108A,Spandrel Panel,Putty,Loc:1919,1919 Exterior **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU26 **Collected:** 2025/03/24
Sample ID: S0108B,Spandrel Panel,Putty,Loc:1919,1919 Exterior **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

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TEST SUMMARY

Bureau Veritas ID: APJU27 **Collected:** 2025/03/24
Sample ID: S0108C,Spandrel Panel,Putty,Loc:1919,1919 Exterior **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU28 **Collected:** 2025/03/24
Sample ID: S0109A,Window Frame,Caulking,Grey,Loc:1919,1919 Exterior **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU28 Dup **Collected:** 2025/03/24
Sample ID: S0109A,Window Frame,Caulking,Grey,Loc:1919,1919 Exterior **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU29 **Collected:** 2025/03/24
Sample ID: S0109B,Window Frame,Caulking,Grey,Loc:1919,1919 Exterior **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU30 **Collected:** 2025/03/24
Sample ID: S0109C,Window Frame,Caulking,Grey,Loc:1919,1919 Exterior **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU31 **Collected:** 2025/03/24
Sample ID: S0110A,Mechanical Equipment,Exhaust,Caulking,Brown,Loc:1919,1919 Exterior **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU32 **Collected:** 2025/03/24
Sample ID: S0110B,Mechanical Equipment,Exhaust,Caulking,Brown,Loc:1919,1919 Exterior **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

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TEST SUMMARY

Bureau Veritas ID: APJU33 **Collected:** 2025/03/24
Sample ID: S0110C,Mechanical Equipment,Exhaust,Caulking,Brown,Loc:1919,1919 Exterior **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU34 **Collected:** 2025/03/24
Sample ID: S0111A,Ceiling,Drywall And Joint Compound,Bulkheads,Loc:1,Girls Washroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU35 **Collected:** 2025/03/24
Sample ID: S0111B,Wall,Drywall And Joint Compound,Around Ducts,Loc:4,Classroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU36 **Collected:** 2025/03/24
Sample ID: S0111C,Ceiling,Drywall And Joint Compound,Bulkheads,Loc:1,Girls Washroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU37 **Collected:** 2025/03/24
Sample ID: S0112A,Piping,Sanitary Drain,Paint,Paint On Cast Iron,Loc:1,Girls Washroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU38 **Collected:** 2025/03/24
Sample ID: S0112B,Piping,Unidentified Pipe,Paint,Loc:20,Corridor **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU39 **Collected:** 2025/03/24
Sample ID: S0112C,Piping,Unidentified Pipe,Paint,Loc:20,Corridor **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

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TEST SUMMARY

Bureau Veritas ID: APJU39 Dup
Sample ID: S0112C,Piping,Unidentified Pipe,Paint,Loc:20,Corridor
Matrix: Solid
Collected: 2025/03/24
Shipped:
Received: 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903321	N/A	2025/04/03	Jon Delos Santos

Bureau Veritas ID: APJU40
Sample ID: S0113A,Floor,Vinyl Floor Tile And Mastic,9x9 Under 12x12 White W/ Faint Brown Streaks,Loc:26,Classroom
Matrix: Solid
Collected: 2025/03/24
Shipped:
Received: 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

Bureau Veritas ID: APJU41
Sample ID: S0113B,Floor,Vinyl Floor Tile And Mastic,9x9 Under 12x12 White W/ Faint Brown Streaks,Loc:26,Classroom
Matrix: Solid
Collected: 2025/03/24
Shipped:
Received: 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

Bureau Veritas ID: APJU42
Sample ID: S0113C,Floor,Vinyl Floor Tile And Mastic,9x9 Under 12x12 White W/ Faint Brown Streaks,Loc:26,Classroom
Matrix: Solid
Collected: 2025/03/24
Shipped:
Received: 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

Bureau Veritas ID: APJU43
Sample ID: S0114A,Wall,Plaster,Textured Plaster, Lower Half Of Wall,Loc:20,Corridor
Matrix: Solid
Collected: 2025/03/24
Shipped:
Received: 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

Bureau Veritas ID: APJU44
Sample ID: S0114B,Wall,Plaster,Textured Plaster, Lower Half Of Wall,Loc:20,Corridor
Matrix: Solid
Collected: 2025/03/24
Shipped:
Received: 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

Bureau Veritas ID: APJU45
Sample ID: S0114C,Wall,Plaster,Textured Plaster, Lower Half Of Wall,Loc:20,Corridor
Matrix: Solid
Collected: 2025/03/24
Shipped:
Received: 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

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TEST SUMMARY

Bureau Veritas ID: APJU46 **Collected:** 2025/03/24
Sample ID: S0115A,Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W/ Deep Fleck,Loc:20,Corridor **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

Bureau Veritas ID: APJU47 **Collected:** 2025/03/24
Sample ID: S0115B,Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W/ Deep Fleck,Loc:20,Corridor **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

Bureau Veritas ID: APJU48 **Collected:** 2025/03/24
Sample ID: S0115C,Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W/ Deep Fleck,Loc:20,Corridor **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

Bureau Veritas ID: APJU48 Dup **Collected:** 2025/03/24
Sample ID: S0115C,Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W/ Deep Fleck,Loc:20,Corridor **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

Bureau Veritas ID: APJU49 **Collected:** 2025/03/24
Sample ID: S0116A,Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Grey Fleck,Loc:20,Corridor **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

Bureau Veritas ID: APJU50 **Collected:** 2025/03/24
Sample ID: S0116B,Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Grey Fleck,Loc:20,Corridor **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

Bureau Veritas ID: APJU51 **Collected:** 2025/03/24
Sample ID: S0116C,Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Grey Fleck,Loc:20,Corridor **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

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Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

TEST SUMMARY

Bureau Veritas ID: APJU52 **Collected:** 2025/03/24
Sample ID: S0117A,Wall,Plaster,Smooth,Loc:3,Classroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

Bureau Veritas ID: APJU53 **Collected:** 2025/03/24
Sample ID: S0117B,Wall,Plaster,Smooth,Loc:4,Classroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

Bureau Veritas ID: APJU54 **Collected:** 2025/03/24
Sample ID: S0117C,Wall,Plaster,Smooth,Loc:3,Classroom **Shipped:**
Matrix: Solid **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9903322	N/A		Jon Delos Santos

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GENERAL COMMENTS

Results relate only to the items tested.

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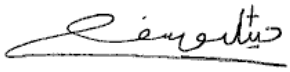
Bureau Veritas Job #: C534507
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Site Location: ON
Sampler Initials: AA

VALIDATION SIGNATURE PAGE

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



Dina Yousif, Analyst 2

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C534507
2025/03/28 14:22

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0117	A	Wall,Plaster,Smooth,Loc:3,Classroom
S	0117	B	Wall,Plaster,Smooth,Loc:4,Classroom
S	0117	C	Wall,Plaster,Smooth,Loc:3,Classroom

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0112	A	Piping,Sanitary Drain,Paint,Paint On Cast Iron,Loc:1,Girls Washroom
S	0112	B	Piping,Unidentified Pipe,Paint,Loc:20,Corridor
S	0112	C	Piping,Unidentified Pipe,Paint,Loc:20,Corridor
S	0113	A	Floor,Vinyl Floor Tile And Mastic,9x9 Under 12x12 White W/ Faint Brown Streaks,Loc:4,Classroom
S	0113	B	Floor,Vinyl Floor Tile And Mastic,9x9 Under 12x12 White W/ Faint Brown Streaks,Loc:4,Classroom
S	0113	C	Floor,Vinyl Floor Tile And Mastic,9x9 Under 12x12 White W/ Faint Brown Streaks,Loc:4,Classroom
S	0114	A	Wall,Plaster,Textured Plaster, Lower Half Of Wall,Loc:20,Corridor
S	0114	B	Wall,Plaster,Textured Plaster, Lower Half Of Wall,Loc:20,Corridor
S	0114	C	Wall,Plaster,Textured Plaster, Lower Half Of Wall,Loc:20,Corridor
S	0115	A	Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W/ Deep Fleck,Loc:20,Corridor
S	0115	B	Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W/ Deep Fleck,Loc:20,Corridor
S	0115	C	Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W/ Deep Fleck,Loc:20,Corridor
S	0116	A	Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Grey Fleck,Loc:20,Corridor
S	0116	B	Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Grey Fleck,Loc:20,Corridor
S	0116	C	Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Grey Fleck,Loc:20,Corridor

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0107	A	Spandrel Panel,Thermal Insulation,Cellulose,Loc:1919,1919 Exterior
S	0107	B	Spandrel Panel,Thermal Insulation,Cellulose,Loc:1919,1919 Exterior
S	0107	C	Spandrel Panel,Thermal Insulation,Cellulose,Loc:1919,1919 Exterior
S	0108	A	Spandrel Panel,Putty,Loc:1919,1919 Exterior
S	0108	B	Spandrel Panel,Putty,Loc:1919,1919 Exterior
S	0108	C	Spandrel Panel,Putty,Loc:1919,1919 Exterior
S	0109	A	Window Frame,Caulking,Grey,Loc:1919,1919 Exterior
S	0109	B	Window Frame,Caulking,Grey,Loc:1919,1919 Exterior
S	0109	C	Window Frame,Caulking,Grey,Loc:1919,1919 Exterior
S	0110	A	Mechanical Equipment,Exhaust,Caulking,Brown,Loc:1919,1919 Exterior
S	0110	B	Mechanical Equipment,Exhaust,Caulking,Brown,Loc:1919,1919 Exterior
S	0110	C	Mechanical Equipment,Exhaust,Caulking,Brown,Loc:1919,1919 Exterior
S	0111	A	Ceiling,Drywall And Joint Compound,Bulkheads,Loc:1,Girls Washroom
S	0111	B	Wall,Drywall And Joint Compound,Around Ducts,Loc:4,Classroom
S	0111	C	Ceiling,Drywall And Joint Compound,Bulkheads,Loc:1,Girls Washroom

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0102	A	Floor,Terrazzo,Light Large Pebble,Loc:12,Boys Washroom
S	0102	B	Floor,Terrazzo,Light Large Pebble,Loc:1,Girls Washroom
S	0102	C	Floor,Terrazzo,Dark Small Pebble,Loc:12,Boys Washroom
S	0103	A	Piping,Sink,Parging Cement,At Sink Penetration,Loc:3,Classroom
S	0103	B	Piping,Sink,Parging Cement,At Sink Penetration,Loc:3,Classroom
S	0103	C	Piping,Sink,Parging Cement,At Sink Penetration,Loc:3,Classroom
S	0104	A	Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Faint Brown Streaks,Loc:4,Classroom [ONL Y ANALYZE MASTIC]
S	0104	B	Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Faint Brown Streaks,Loc:4,Classroom [ONL Y ANALYZE MASTIC]
S	0104	C	Floor,Vinyl Floor Tile And Mastic,12x12 White W/ Faint Brown Streaks,Loc:4,Classroom [ONL Y ANALYZE MASTIC]
S	0105	A	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W/ Brown And Orange Streaks,Loc:3,Classroom
S	0105	B	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W/ Brown And Orange Streaks,Loc:4,Classroom
S	0105	C	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W/ Brown And Orange Streaks,Loc:3,Classroom
S	0106	A	Wall,Thin-set,Loc:12,Boys Washroom
S	0106	B	Wall,Thin-set,Loc:1,Girls Washroom
S	0106	C	Wall,Thin-set,Loc:12,Boys Washroom

C534507
2025/03/28 14:22

T1025554

Analyzed by:

Reviewed by:

Report Sent by:

NONT-2025-03-6316

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

Special Instructions:
Only analyze caulking in samples S0100A-C
Only analyze thin-set/adhesive in samples S0106A-C
Only analyze mastic in samples S0104A-C

Client Name:				**Project Address:**	ON		
Portfolio/Building No:	Central PS			**Pinchin File:**	352316.002		
Submitted by:	Adam Altena			**Email:**	aaltena@pinchin.com		
CC Email:	Jessica Cozzitorto			**CC Email:**	jcozzitorto@pinchin.com		
Date Submitted:	March	27	2025	**Required by:**	April	4	2025
# of Samples:	54			**Priority:**	5 Day Turnaround		
Year of Building Construction (*Mandatory, Years ONLY*):							
Do NOT Stop on Positive (Sample Numbers):							
Pinchin Group Company (*Mandatory Field*):				Pinchin			
HMIS2 Building Reference #:				147734/202522486562727			
To be Completed by Lab Personnel Only:							
Lab Reference #:	MAR 2 8 2025			**Time:**	24 hour clock		
Received by:				**Date:**	Month	Day	Year
Name(s) of Analyst(s):							

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0100	A	Window Frame,Caulking,Grey Caulking,Loc:12,Boys Washroom
S	0100	B	Window Frame,Caulking,Grey Caulking,Loc:1,Girls Washroom
S	0100	C	Window Frame,Caulking,Grey Caulking,Loc:12,Boys Washroom
S	0101	A	Sink,Mastic, Gold,Loc:3,Classroom
S	0101	B	Sink,Mastic, Gold,Loc:3,Classroom
S	0101	C	Sink,Mastic, Gold,Loc:3,Classroom

Page 1 of 5

Your Project #: 352316.002
Site Location: CENTRAL PS
Your C.O.C. #: N/A

Attention: Jessica Cozzitorto

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

Report Date: 2025/04/04
Report #: R8515025
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534890
Received: 2025/03/31, 15:07

Sample Matrix: Solid
Samples Received: 18

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Asbestos by PLM - 0.5 RDL (1)	18	N/A	2025/04/04	COR3SOP-00002	EPA 600R-93/116

Remarks:

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

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

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Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
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Bureau Veritas' scope of accreditation includes EPA -- 40 CFR Appendix E to Subpart E of Part 763, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" and EPA-600/R-93/116: "Method for the Determination of Asbestos in Bulk Building Materials".
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) P.O.B. - Percent of Bulk

Your Project #: 352316.002
Site Location: CENTRAL PS
Your C.O.C. #: N/A

Attention: Jessica Cozzitorto

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

Report Date: 2025/04/04
Report #: R8515025
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534890

Received: 2025/03/31, 15:07

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

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Nilushi Mahathantila, Project Manager
Email: Nilushi.Mahathantila@bureauveritas.com
Phone# (905) 817-5700

==========

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Bureau Veritas Job #: C534890
Report Date: 2025/04/04

Pinchin Ltd
Client Project #: 352316.002
Site Location: CENTRAL PS
Sampler Initials: AA

Asbestos Analytical Results

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

S0118A WALL,PLASTER,TEXTURED PLASTER - NORTH WALL,LOC:12,BOYS WASHROOM

Bureau Veritas ID: APKM94 Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	2	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	98	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0118B WALL,PLASTER,TEXTURED PLASTER - EAST WALL,LOC:12,BOYS WASHROOM

Bureau Veritas ID: APKM95 Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0118C WALL,PLASTER,TEXTURED PLASTER - SOUTH WALL,LOC:12,BOYS WASHROOM

Bureau Veritas ID: APKM96 Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey plaster	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534890
Report Date: 2025/04/04

Pinchin Ltd
Client Project #: 352316.002
Site Location: CENTRAL PS
Sampler Initials: AA

Asbestos Analytical Results

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

S0118D WALL,PLASTER,TEXTURED PLASTER - WEST WALL,LOC:12,BOYS WASHROOM

Bureau Veritas ID: APKM97 Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0118E CEILING,PLASTER,TEXTURED PLASTER - LOC:12,BOYS WASHROOM

Bureau Veritas ID: APKM98 Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0119A WALL,PLASTER,TEXTURED PLASTER - EAST WALL,LOC:1,GIRLS WASHROOM

Bureau Veritas ID: APKM99 Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey plaster	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534890
Report Date: 2025/04/04

Pinchin Ltd
Client Project #: 352316.002
Site Location: CENTRAL PS
Sampler Initials: AA

Asbestos Analytical Results

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

S0119B WALL,PLASTER,TEXTURED PLASTER - SOUTH WALL,LOC:1,GIRLS WASHROOM

Bureau Veritas ID: APKN00 Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0119C WALL,PLASTER,TEXTURED PLASTER - WEST WALL,LOC:1,GIRLS WASHROOM

Bureau Veritas ID: APKN01 Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0119D CEILING,PLASTER,TEXTURED PLASTER,LOC:1,GIRLS WASHROOM

Bureau Veritas ID: APKN02 Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	60	Homogeneous white plaster	Not Detected		Non-Fibrous
Layer 2	40	Homogeneous grey plaster	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534890
Report Date: 2025/04/04

Pinchin Ltd
Client Project #: 352316.002
Site Location: CENTRAL PS
Sampler Initials: AA

Asbestos Analytical Results

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

S0120A WALL,PLASTER, TEXTURED PLASTER - UPPER HALF OF WALLS,LOC:20,CORRIDOR

Bureau Veritas ID: APKN03 Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0120B WALL,PLASTER, TEXTURED PLASTER - UPPER HALF OF WALLS,LOC:20,CORRIDOR

Bureau Veritas ID: APKN04 Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0120C WALL,PLASTER, TEXTURED PLASTER - UPPER HALF OF WALLS,LOC:20,CORRIDOR

Bureau Veritas ID: APKN05 Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey plaster	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534890
Report Date: 2025/04/04

Pinchin Ltd
Client Project #: 352316.002
Site Location: CENTRAL PS
Sampler Initials: AA

Asbestos Analytical Results

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

S0121A CEILING,PLASTER,TEXTURED PLASTER,LOC:20,CORRIDOR

Bureau Veritas ID: APKN06 — Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0121B CEILING,PLASTER,TEXTURED PLASTER,LOC:20,CORRIDOR

Bureau Veritas ID: APKN07 — Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey plaster	Not Detected		Non-Fibrous

S0121C CEILING,PLASTER,TEXTURED PLASTER,LOC:20,CORRIDOR

Bureau Veritas ID: APKN08 — Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous grey plaster	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C534890
Report Date: 2025/04/04

Pinchin Ltd
Client Project #: 352316.002
Site Location: CENTRAL PS
Sampler Initials: AA

Asbestos Analytical Results

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

S0122A PIPING,SWEATWRAP,LOC:12,BOYS WASHROOM

Bureau Veritas ID: APKN09 Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos		Other Fibres		Particulate
Layer 1	5	Homogeneous brown woven fibrous material	Not Detected		Cellulose	80%	Non-Fibrous
Layer 2	90	Homogeneous brown layered fibrous material	Not Detected		Cellulose	90%	Non-Fibrous
Layer 3	5	Homogeneous black tar paper	Not Detected		Cellulose	70%	Non-Fibrous

S0122B PIPING,SWEATWRAP,LOC:12,BOYS WASHROOM

Bureau Veritas ID: APKN10 Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos		Other Fibres		Particulate
Layer 1	5	Homogeneous grey woven fibrous material	Not Detected		Cellulose	80%	Non-Fibrous
Layer 2	90	Homogeneous grey layered fibrous material	**Chrysotile**	1%	Cellulose	89%	Non-Fibrous
Layer 3	5	Homogeneous black tar paper	**Chrysotile**	30%	Cellulose	30%	Non-Fibrous

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

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

Bureau Veritas Job #: C534890
Report Date: 2025/04/04

Pinchin Ltd
Client Project #: 352316.002
Site Location: CENTRAL PS
Sampler Initials: AA

Asbestos Analytical Results

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

S0122C PIPING,SWEATWRAP,LOC:12,BOYS WASHROOM

Bureau Veritas ID: APKN11 | Date Analyzed: 2025/04/04

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	5	Homogeneous grey woven fibrous material	Not Detected	Cellulose	80%	Non-Fibrous
Layer 2	90	Homogeneous grey layered fibrous material	N/A			
	Comment:	Not Analyzed - Positive Stop				
Layer 3	5	Homogeneous black tar paper	N/A			
	Comment:	Not Analyzed - Positive Stop				

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

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

TEST SUMMARY

Bureau Veritas ID: APKM94 **Collected:** 2025/03/28
Sample ID: S0118A WALL,PLASTER,TEXTURED PLASTER - NORTH WALL,LOC:12,BOYS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKM95 **Collected:** 2025/03/28
Sample ID: S0118B WALL,PLASTER,TEXTURED PLASTER - EAST WALL,LOC:12,BOYS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKM96 **Collected:** 2025/03/28
Sample ID: S0118C WALL,PLASTER,TEXTURED PLASTER - SOUTH WALL,LOC:12,BOYS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKM97 **Collected:** 2025/03/28
Sample ID: S0118D WALL,PLASTER,TEXTURED PLASTER - WEST WALL,LOC:12,BOYS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKM98 **Collected:** 2025/03/28
Sample ID: S0118E CEILING,PLASTER,TEXTURED PLASTER - LOC:12,BOYS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKM98 Dup **Collected:** 2025/03/28
Sample ID: S0118E CEILING,PLASTER,TEXTURED PLASTER - LOC:12,BOYS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKM99 **Collected:** 2025/03/28
Sample ID: S0119A WALL,PLASTER,TEXTURED PLASTER - EAST WALL,LOC:1,GIRLS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

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Bureau Veritas Job #: C534890
Report Date: 2025/04/04

Pinchin Ltd
Client Project #: 352316.002
Site Location: CENTRAL PS
Sampler Initials: AA

TEST SUMMARY

Bureau Veritas ID: APKN00 **Collected:** 2025/03/28
Sample ID: S0119B WALL,PLASTER,TEXTURED PLASTER - SOUTH WALL,LOC:1,GIRLS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKN01 **Collected:** 2025/03/28
Sample ID: S0119C WALL,PLASTER,TEXTURED PLASTER - WEST WALL,LOC:1,GIRLS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKN02 **Collected:** 2025/03/28
Sample ID: S0119D CEILING,PLASTER,TEXTURED PLASTER,LOC:1,GIRLS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKN03 **Collected:** 2025/03/28
Sample ID: S0120A WALL,PLASTER, TEXTURED PLASTER - UPPER HALF OF WALLS,LOC:20,CORRIDOR **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKN04 **Collected:** 2025/03/28
Sample ID: S0120B WALL,PLASTER, TEXTURED PLASTER - UPPER HALF OF WALLS,LOC:20,CORRIDOR **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKN05 **Collected:** 2025/03/28
Sample ID: S0120C WALL,PLASTER, TEXTURED PLASTER - UPPER HALF OF WALLS,LOC:20,CORRIDOR **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKN06 **Collected:** 2025/03/28
Sample ID: S0121A CEILING,PLASTER,TEXTURED PLASTER,LOC:20,CORRIDOR **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

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Bureau Veritas Job #: C534890
Report Date: 2025/04/04

Pinchin Ltd
Client Project #: 352316.002
Site Location: CENTRAL PS
Sampler Initials: AA

TEST SUMMARY

Bureau Veritas ID: APKN07 **Collected:** 2025/03/28
Sample ID: S0121B CEILING,PLASTER,TEXTURED PLASTER,LOC:20,CORRIDOR **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKN08 **Collected:** 2025/03/28
Sample ID: S0121C CEILING,PLASTER,TEXTURED PLASTER,LOC:20,CORRIDOR **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKN08 Dup **Collected:** 2025/03/28
Sample ID: S0121C CEILING,PLASTER,TEXTURED PLASTER,LOC:20,CORRIDOR **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKN09 **Collected:** 2025/03/28
Sample ID: S0122A PIPING,SWEATWRAP,LOC:12,BOYS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKN10 **Collected:** 2025/03/28
Sample ID: S0122B PIPING,SWEATWRAP,LOC:12,BOYS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

Bureau Veritas ID: APKN11 **Collected:** 2025/03/28
Sample ID: S0122C PIPING,SWEATWRAP,LOC:12,BOYS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	9904080	N/A	2025/04/04	Jon Delos Santos

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GENERAL COMMENTS

Results relate only to the items tested.

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Bureau Veritas Job #: C534890
Report Date: 2025/04/04

Pinchin Ltd
Client Project #: 352316.002
Site Location: CENTRAL PS
Sampler Initials: AA

VALIDATION SIGNATURE PAGE

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

Dina Yousif, Analyst 2

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.

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C534890
2025/03/31 15:07

2025/04/01 ADR
I/025592

NONT-2025-03-6395

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

Special Instructions: DO NOT STOP POSITIVE ON SAMPLES S0118A-E, S0119A-D

Client Name:				**Project Address:**	ON		
Portfolio/Building No:	Central PS			**Pinchin File:**	352316.002		
Submitted by:	Adam Altena			**Email:**	aaltena@pinchin.com		
CC Email:	Jessica Cozzitorto			**CC Email:**	jcozzitorto@pinchin.com		
Date Submitted:	March	28	2025	**Required by:**	April	7	2025
# of Samples:	18			**Priority:**	5 Day Turnaround		
Year of Building Construction (*Mandatory, Years ONLY*):							
Do NOT Stop on Positive (Sample Numbers):	S0118A-E, S0119A-D						
Pinchin Group Company (*Mandatory Field*):	Pinchin						
HMIS2 Building Reference #:	147734/202522486562727						
To be Completed by Lab Personnel Only:							
Lab Reference #:				**Time:**	24 hour clock		
Received by:	MAR 3 1 2025			**Date:**	Month	Day	Year
Name(s) of Analyst(s):							

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0118	A	Wall,Plaster,Textured Plaster - North Wall,Loc:12,Boys Washroom
S	0118	B	Wall,Plaster,Textured Plaster - East Wall,Loc:12,Boys Washroom
S	0118	C	Wall,Plaster,Textured Plaster - South Wall,Loc:12,Boys Washroom
S	0118	D	Wall,Plaster,Textured Plaster - West Wall,Loc:12,Boys Washroom
S	0118	E	Ceiling,Plaster,Textured Plaster,Loc:12,Boys Washroom
S	0119	A	Wall,Plaster,Textured Plaster - East Wall,Loc:1,Girls Washroom

2025/03/31 1500
#104625

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0119	B	Wall,Plaster,Textured Plaster - South Wall,Loc:1,Girls Washroom
S	0119	C	Wall,Plaster,Textured Plaster - West Wall,Loc:1,Girls Washroom
S	0119	D	Ceiling,Plaster,Textured Plaster,Loc:1,Girls Washroom
S	0120	A	Wall,Plaster,Textured Plaster - Upper Half Of Walls,Loc:20,Corridor
S	0120	B	Wall,Plaster,Textured Plaster - Upper Half Of Walls,Loc:20,Corridor
S	0120	C	Wall,Plaster,Textured Plaster - Upper Half Of Walls,Loc:20,Corridor
S	0121	A	Ceiling,Plaster,Textured Plaster,Loc:20,Corridor
S	0121	B	Ceiling,Plaster,Textured Plaster,Loc:20,Corridor
S	0121	C	Ceiling,Plaster,Textured Plaster,Loc:20,Corridor
S	0122	A	Piping,Sweatwrap,Loc:12,Boys Washroom
S	0122	B	Piping,Sweatwrap,Loc:12,Boys Washroom
S	0122	C	Piping,Sweatwrap,Loc:12,Boys Washroom

APPENDIX II-B

Lead Analytical Certificates

Your Project #: 352316.002
Your C.O.C. #: N/A

Attention: Adam Altena

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

Report Date: 2025/04/03
Report #: R8513935
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C533741
Received: 2025/03/27, 14:23

Sample Matrix: Solid
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Metals in Paint	4	2025/04/02	2025/04/02	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 #: 352316.002
Your C.O.C. #: N/A

Attention: Adam Altena

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

Report Date: 2025/04/03
Report #: R8513935
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C533741
Received: 2025/03/27, 14:23

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 #: C533741
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Sampler Initials: AA

ELEMENTS BY ATOMIC SPECTROSCOPY (SOLID)

Bureau Veritas ID		APIH57	APIH57			
Sampling Date		2025/03/24	2025/03/24			
COC Number		N/A	N/A			
	UNITS	L0001,WALL,PLASTER, CREAM ON ROUGH PLASTER,LOC:12,BOYS WASHROOM	L0001,WALL,PLASTER, CREAM ON ROUGH PLASTER,LOC:12,BOYS WASHROOM Lab-Dup	RDL	MDL	QC Batch
Metals						
Lead (Pb)	%	0.091	0.090	0.00010	0.000030	9902730

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas ID		APIH58	APIH59	APIH60			
Sampling Date		2025/03/24	2025/03/24	2025/03/24			
COC Number		N/A	N/A	N/A			
	UNITS	L0002,PIPING,METAL, CREAM ON METAL PIPE,LOC:12,BOYS WASHROOM	L0003,OTHER,METAL, BROWN ON BLUE ON METAL,LOC:1919,1919	L0004,WALL,PLASTER, BEIGE ON SMOOTH PLASTER,LOC:3,CLASS ROOM	RDL	MDL	QC Batch
Metals							
Lead (Pb)	%	0.13	0.29	0.46	0.0010	0.00030	9902730

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C533741
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Sampler Initials: AA

TEST SUMMARY

Bureau Veritas ID: APIH57 **Collected:** 2025/03/24
Sample ID: L0001,WALL,PLASTER,CREAM ON ROUGH PLASTER,LOC:12,BOYS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/27

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9902730	2025/04/02	2025/04/02	Medhat Nasr

Bureau Veritas ID: APIH57 Dup **Collected:** 2025/03/24
Sample ID: L0001,WALL,PLASTER,CREAM ON ROUGH PLASTER,LOC:12,BOYS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/27

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9902730	2025/04/02	2025/04/02	Medhat Nasr

Bureau Veritas ID: APIH58 **Collected:** 2025/03/24
Sample ID: L0002,PIPING,METAL,CREAM ON METAL PIPE,LOC:12,BOYS WASHROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/27

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9902730	2025/04/02	2025/04/02	Medhat Nasr

Bureau Veritas ID: APIH59 **Collected:** 2025/03/24
Sample ID: L0003,OTHER,METAL,BROWN ON BLUE ON METAL,LOC:1919,1919 **Shipped:**
Matrix: Solid **Received:** 2025/03/27

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9902730	2025/04/02	2025/04/02	Medhat Nasr

Bureau Veritas ID: APIH60 **Collected:** 2025/03/24
Sample ID: L0004,WALL,PLASTER,BEIGE ON SMOOTH PLASTER,LOC:3,CLASSROOM **Shipped:**
Matrix: Solid **Received:** 2025/03/27

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9902730	2025/04/02	2025/04/02	Medhat Nasr

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GENERAL COMMENTS

Sample APIH58 [L0002,PIPING,METAL,CREAM ON METAL PIPE,LOC:12,BOYS WASHROOM] : Metal analysis: Due to high concentrations of the target analytes, sample required dilution. Detection limits were adjusted accordingly.

Sample APIH59 [L0003,OTHER,METAL,BROWN ON BLUE ON METAL,LOC:1919,1919] : Metal analysis: Due to high concentrations of the target analytes, sample required dilution. Detection limits were adjusted accordingly.

Sample APIH60 [L0004,WALL,PLASTER,BEIGE ON SMOOTH PLASTER,LOC:3,CLASSROOM] : Metal analysis: Due to high concentrations of the target analytes, sample required dilution. Detection limits were adjusted accordingly.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		Method Blank		RPD		QC Standard	
QC Batch	**Parameter**	**Date**	**% Recovery**	**QC Limits**	**Value**	**UNITS**	**Value (%)**	**QC Limits**	**% Recovery**	**QC Limits**
9902730	Lead (Pb)	2025/04/02	NC (1)	75 - 125	<0.00010	%	0.40	35	101	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)

(1) The recovery in the matrix spike was not calculated (NC). Because of the high concentration of this analyte in the parent sample, the relative difference between the spiked and unspiked concentrations is not sufficiently significant to permit a reliable recovery calculation.

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VALIDATION SIGNATURE PAGE

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

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

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C533741
2025/03/27 14:23

BUREAU VERITAS

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

CHAIN OF CUSTODY RECORD

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: Adam Altena	Contact Name:	P.O. #/ AFE#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address:	Address:	Project #: 352316.002	Rush TAT (Surcharges will be applied)
Phone: Fax:	Phone: Fax:	Site Location:	[ ] 1 Day [ ] 2 Days [ ] 3-4 Days
Email: aaltena@pinchin.com	Email:	Site #:	Date Required: April 4 2025
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY		Site Location Province:_____ ON Sampled By:_____ Adam Altena	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

LABORATORY USE ONLY

CUSTODY SEAL Y / N		COOLER TEMPERATURES
Present	Intact	
N	N	

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, Plaster, Cream On Rough Plaster,Loc:12,Boys W	2025-03-24		BULK									X			
L0002, Piping, Metal, Cream On Metal Pipe,Loc:12,Boys Was	2025-03-24		BULK									X			
L0003, Other, Metal, Brown On Blue On Metal,Loc:1919,191	2025-03-24		BULK									X			
L0004, Wall, Plaster, Beige On Smooth Plaster,Loc:3,Classroo	2025-03-24		BULK									X			

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)
Adam Altena	2025-03-26	10:30		2025/03/27	1413

NONT-2025-03-5919

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D (04)637

APPENDIX II-C

PCB Analytical Certificates

Your Project #: 352316.002
Your C.O.C. #: N/A

Attention: Adam Altena

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

Report Date: 2025/04/03
Report #: R8514595
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C533736
Received: 2025/03/27, 14:23

Sample Matrix: Solid
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Polychlorinated Biphenyl in Solids (1)	2	2025/04/01	2025/04/02	CAM SOP-00309	EPA 8082A 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.
(1) Analysis was conducted according to Bureau Veritas method CAM SOP-00309 and modified where applicable based on the sample matrix. This test is not Standards Council of Canada accredited for this matrix.

Your Project #: 352316.002
Your C.O.C. #: N/A

Attention: Adam Altena

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

Report Date: 2025/04/03
Report #: R8514595
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C533736
Received: 2025/03/27, 14:23

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Nilushi Mahathantila, Project Manager
Email: Nilushi.Mahathantila@bureauveritas.com
Phone# (905) 817-5700

==========

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POLYCHLORINATED BIPHENYLS BY GC-ECD (SOLID)

Bureau Veritas ID		APIH10	APIH11			
Sampling Date		2025/03/24	2025/03/24			
COC Number		N/A	N/A			
	UNITS	P0001, GREY CAULKING AROUND SPANDRELS,LOC:1919, 1919 EXTERIOR	P0002, BROWN CAULKING AT EXHAUST VENT,LOC:1919,1919 EXTERIOR	RDL	MDL	QC Batch
PCBs						
Aroclor 1262	ug/g	<0.1	<0.1	0.1	0.1	9902320
Aroclor 1016	ug/g	<0.1	<0.1	0.1	0.1	9902320
Aroclor 1221	ug/g	<0.1	<0.1	0.1	0.1	9902320
Aroclor 1232	ug/g	<0.1	<0.1	0.1	0.1	9902320
Aroclor 1242	ug/g	<0.1	<0.1	0.1	0.1	9902320
Aroclor 1248	ug/g	<0.1	<0.1	0.1	0.1	9902320
Aroclor 1254	ug/g	0.2	<0.1	0.1	0.1	9902320
Aroclor 1260	ug/g	<0.1	<0.1	0.1	0.1	9902320
Aroclor 1268	ug/g	<0.1	<0.1	0.1	0.1	9902320
Total PCB	ug/g	0.2	<0.1	0.1	0.1	9902320
Surrogate Recovery (%)						
Decachlorobiphenyl	%	84	83			9902320

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C533736
Report Date: 2025/04/03

Pinchin Ltd
Client Project #: 352316.002
Sampler Initials: AA

TEST SUMMARY

Bureau Veritas ID: APIH10 **Collected:** 2025/03/24
Sample ID: P0001, GREY CAULKING AROUND SPANDRELS,LOC:1919,1919 EXTERIOR **Shipped:**
Matrix: Solid **Received:** 2025/03/27

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Polychlorinated Biphenyl in Solids	GC/ECD	9902320	2025/04/01	2025/04/02	Debashis Saha

Bureau Veritas ID: APIH11 **Collected:** 2025/03/24
Sample ID: P0002, BROWN CAULKING AT EXHAUST VENT,LOC:1919,1919 EXTERIOR **Shipped:**
Matrix: Solid **Received:** 2025/03/27

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Polychlorinated Biphenyl in Solids	GC/ECD	9902320	2025/04/01	2025/04/02	Debashis Saha

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GENERAL COMMENTS

Results relate only to the items tested.

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Bureau Veritas Job #: C533736
Report Date: 2025/04/03

QUALITY ASSURANCE REPORT

Pinchin Ltd
Client Project #: 352316.002
Sampler Initials: AA

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9902320	Decachlorobiphenyl	2025/04/02	116	30 - 130	89	30 - 130	103	%		
9902320	Aroclor 1016	2025/04/02					<0.1	ug/g		
9902320	Aroclor 1221	2025/04/02					<0.1	ug/g		
9902320	Aroclor 1232	2025/04/02					<0.1	ug/g		
9902320	Aroclor 1242	2025/04/02					<0.1	ug/g		
9902320	Aroclor 1248	2025/04/02					<0.1	ug/g		
9902320	Aroclor 1254	2025/04/02					<0.1	ug/g		
9902320	Aroclor 1260	2025/04/02	97	30 - 130	85	30 - 130	<0.1	ug/g	13	50
9902320	Aroclor 1262	2025/04/02					<0.1	ug/g		
9902320	Aroclor 1268	2025/04/02					<0.1	ug/g		
9902320	Total PCB	2025/04/02	97	30 - 130	85	30 - 130	<0.1	ug/g	13	50

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.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

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

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

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VALIDATION SIGNATURE PAGE

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

Louise Harding, Scientific Specialist

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C533736
2025/03/27 14:23

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

CHAIN OF CUSTODY RECORD

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: Adam Altena	Contact Name:	P.O. #/ AFE#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address:	Address:	Project #: 352316.002	Rush TAT (Surcharges will be applied)
Phone: Fax:	Phone: Fax:	Site Location:	[ ] 1 Day [ ] 2 Days [ ] 3-4 Days
Email: aaltena@pinchin.com	Email:	Site #:	Date Required:
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY		Site Location Province: _____ ON Sampled By: _____ Adam Altena	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

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
P0001, Grey Caulking Around Spandrels,Loc:1919,1919 Exter	2025-03-24		BULK										X	
P0002, Brown Caulking At Exhaust Vent,Loc:1919,1919 Exter	2025-03-24		BULK										X	

LABORATORY USE ONLY

CUSTODY SEAL Y / N		COOLER TEMPERATURES
Present	Intact	
✓	✓	

COOLING MEDIA PRESENT: Y / N

COMMENTS

NONT-2025-03-5918

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)
Adam Altena	2025-03-26	10:30		2025/03/27	1423

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1423 (04)673

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

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

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

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

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 [OR] EPA Method No. 3050B/EPA SW-846-6020B0B, inductively coupled plasma – mass spectrometry.

Analytical results were compared to the following criteria.

Jurisdiction*	Units (%)	Units (ppm) / (mg/kg)
British Columbia**	0.009	90
Alberta	0.009	90
Saskatchewan	0.009	90
Manitoba	0.009	90
Ontario	**0.009**	**90**
Nova Scotia	0.009	90
New Brunswick	0.009	90
Prince Edward Island	0.009	90
Newfoundland	0.009	90
Yukon	0.009	90
Nunavut	0.1	1,000
Northwest Territories	0.1	1,000
Federal	0.009	90

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

** WorkSafe BC health and safety regulations do not numerically define what would be considered a lead-containing paint or coating. In general, paints containing lead >0.009% may require work procedures if disturbed.

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.

Caulking, sealants, or paints were sampled and submitted for PCB analysis following EPA 3550C/8082A.

Sample results are compared to the criteria of 50 mg/kg for solids as stated in the PCB Regulation, SOR/2008-273.

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, November 13 2024

APPENDIX IV

Location Summary Report

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

LOCATIONS LIST

PINCHIN
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Client:Hdsb **Site: 638 Brant St, Burlington, ON**
Building Name: Central Public School
Survey Date: **Last Re-Assessment:**
Building Phases: A:

Location No.	Name or Description	Area ft²	Floor No.	Bldg. Phase	Notes
1	Girls Washroom, room no. 1/1A	385	B	A	
2	Storage, room no. 2/2A	380	B	A	
3	Classroom, room no. 3	860	B	A	
4	Classroom, room no. 4	860	B	A	
5	Storage, room no. 5	50	B	A	
6	Boiler Room, room no. 6/6A	750	B	A	
7	Custodian office, room no. 7/7A	430	B	A	
8	Storage, room no. 8	135	B	A	
9	Closet, room no. 9	16	B	A	
10	Storage, room no. 10	220	B	A	
11	Fan room, room no. 11/11A	240	B	A	
12	Boys Washroom, room no. 12	600	B	A	
13	Custodian Closet, room no. 13	70	B	A	
14	Storage / Crawlspace Entrance, room no. 14/14A	220	B	A	
15	JK/SK Classroom, room no. 15, 16, 17	1600	B	A	
19	Stairwell, room no. 19	150	B	A	
20	Corridor, room no. 20, 18	1150	B	A	
21	Stairwell, room no. 21	215	B	A	
1919	1919 Exterior	0		A	
1948	1948 Exterior	0		A	

APPENDIX V

Hazardous Materials Summary Report / Sample Log

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

HAZARDOUS MATERIALS SUMMARY / SAMPLE LOG

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Client:Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School** **Survey Date:**

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	V0013	Other | Window Frame | Caulking |	1948	A	0	0	0	0	None Detected	No	
Asbestos	V0014	Other | Cladding | Caulking | Dark Brown, At Metal Cladding To Entrance 6	1948	A	0	0	0	0	Chrysotile	No	
Asbestos	V0024	Wall | | Drywall And Joint Compound | Classroom 3	3	A	0	0	0	100	None Detected	No	
Asbestos	V0031	Floor | | Vinyl Floor Tile | 12x12 Faded Cream	4	A	0	0	0	0	None Detected	No	
Asbestos	V0048	Piping | Unidentified Pipe | Parging Cement |	3,4,6,7,8,12,13,14,19,20,21	A	0	0	79	0	Chrysotile	Yes	F
Asbestos	V0049	Piping | | Aircell |	3,4,6,14	A	0	0	0	100	Chrysotile	Yes	F
Asbestos	V0050	Piping | | Thermal Insulation | Room 6a	6	A	0	0	0	0	None Detected	No	
Asbestos	V0051	Piping | Water Meter | Thermal Insulation | Room 7	7	A	0	0	1	0	Chrysotile	Yes	F
Asbestos	V0052	Piping | | Fibreglass | Room 12 - Boys Washroom	12	A	0	0	0	0	None Detected	No	
Asbestos	V0053	Ceiling | | Plaster | Textured - Caretakers Storage	8	A	0	0	0	0	None Detected	No	
Asbestos	V0083	Wall | | Plaster | Textured On Drywall. Room 14	14	A	0	0	0	0	Chrysotile	No	
Asbestos	V0084	Duct | | Paper | Room 7	7	A	0	0	0	100	Chrysotile	Yes	NF
Asbestos	V0086	Wall | | Drywall And Joint Compound | Room 6	6	A	0	0	0	0	None Detected	No	
Asbestos	V0099	Wall | | Plaster | Room 3	3	A	0	0	0	0	None Detected	No	
Asbestos	S0100 ABC	Other | Window Frame | Caulking | Grey Caulking	1,12	A	60	0	0	0	None Detected	No	
Asbestos	S0101 ABC	Other | Sink | Mastic, Gold |	3	A	0	0	2	0	Chrysotile	Yes	NF
Asbestos	S0102 ABC	Floor | | Terrazzo | Light Large Pebble	1,12	A	0	900	0	0	None Detected	No	
Asbestos	S0103 ABC	Piping | Sink | Parging Cement | At Sink Penetration	3	A	0	0	1	0	None Detected	No	
Asbestos	S0104 ABC	Floor | | Vinyl Floor Tile And Mastic | 12x12 White W/ Faint Brown Streaks	4	A	0	760	0	0	None Detected	No	
Asbestos	S0105 ABC	Floor | | Vinyl Floor Tile And Mastic | 12x12 Beige W/ Brown And Orange Streaks	3,4	A	0	960	0	0	None Detected	No	
Asbestos	S0106 ABC	Wall | | Thin-set |	1,12	A	0	1400	0	0	None Detected	No	
Asbestos	S0107 ABC	Other | Spandrel Panel | Thermal Insulation | Cellulose	1919	A	0	36	0	0	None Detected	No	
Asbestos	S0108 ABC	Other | Spandrel Panel | Putty |	1919	A	48	0	0	0	None Detected	No	
Asbestos	S0109 ABC	Other | Window Frame | Caulking | Grey	1919	A	48	0	0	0	Chrysotile	Yes	NF
Asbestos	S0110 ABC	Mechanical Equipment | Exhaust | Caulking | Brown	1919	A	6	0	0	0	None Detected	No	
Asbestos	S0111 ABC	Ceiling, Wall | | Drywall And Joint Compound | Bulkheads	1,4	A	0	80	0	100	None Detected	No	
Asbestos	S0112 ABC	Piping | Unidentified Pipe, Sanitary Drain | Paint | Paint On Cast Iron Pipe, Sanitary Line	1,20	A	0	0	0	100	None Detected	No	
Asbestos	S0113 ABC	Floor | | Vinyl Floor Tile And Mastic | 9x9 Under 12x12 White W/ Faint Brown Streaks	4	A	0	800	0	0	Chrysotile	Yes	NF

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	S0114 ABC	Wall | | Plaster | Textured Plaster, Lower Half Of Wall	20	A	0	1700	0	0	None Detected	No	
Asbestos	S0115 ABC	Ceiling | | Ceiling Tiles (lay-in) | 24x48 Pinhole W/ Deep Fleck	3,4,20,21	A	0	1365	0	100	None Detected	No	
Asbestos	S0116 ABC	Floor | | Vinyl Floor Tile And Mastic | 12x12 White W/ Grey Fleck	9,19,20,21	A	0	2300	0	100	None Detected	No	
Asbestos	S0117 ABC	Wall | | Plaster | Smooth	3,4	A	0	1600	0	0	None Detected	No	
Asbestos	S0118 ABCDE	Ceiling, Wall, Ceiling, Wall | | Plaster | Textured Plaster	7,12,13,19	A	0	2160	0	0	None Detected	No	
Asbestos	S0119 ABCD	Ceiling, Wall | | Plaster | Textured Plaster	1	A	0	785	0	0	None Detected	No	
Asbestos	S0120 ABC	Wall | | Plaster | Textured Plaster - Upper Half Of Walls	20	A	0	1700	0	0	None Detected	No	
Asbestos	S0121 ABC	Ceiling | | Plaster | Textured Plaster	5,20	A	0	1050	0	0	None Detected	No	
Asbestos	S0122 ABC	Piping | | Sweatwrap |	1,6,7,8,12,13,14,19,20	A	251	0	0	100	Chrysotile	Yes	F
Asbestos	V9500	Duct | | Canvas |	11	A	0	40	0	0	Presumed Asbestos	Yes	NF
Asbestos	V0000	Ceiling | | Ceiling Tiles (lay-in) | Date Stamped: 06/19/14	7,15	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Ceiling | | Drywall (no Compound) |	11	A	0	240	0	0	Non Asbestos	No	
Asbestos	V0000	Ceiling | | Drywall And Joint Compound |	7,9	A	0	16	0	100	Non Asbestos	No	
Asbestos	V0000	Ceiling | | Metal Pan Ceiling Tiles |	2,7,8,10	A	0	280	0	100	Non Asbestos	No	
Asbestos	V0000	Duct | | Not Insulated |	2,6	A	35	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor | | Ceramic Tiles |	15	A	0	200	0	0	Non Asbestos	No	
Asbestos	V0000	Floor | | Concrete (poured) |	2,5,6,7,8,10,11	A	0	890	0	100	Non Asbestos	No	
Asbestos	V0000	Floor | | Laminate |	15	A	0	1400	0	0	Non Asbestos	No	
Asbestos	V0000	Mechanical Equipment | Fan Unit, Radiator | Not Insulated |	1,2,6,11,12	A	0	0	12	0	Non Asbestos	No	
Asbestos	V0000	Piping | | Fibreglass |	2,5,7,9,10,11,15	A	229	0	0	100	Non Asbestos	No	
Asbestos	V0000	Piping | | Not Insulated |	2,5,6,10,11	A	96	0	0	100	Non Asbestos	No	
Asbestos	V0000	Structure | | Wood |	10,15	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Wall | | Concrete (poured) |	2,6	A	0	280	0	0	Non Asbestos	No	
Asbestos	V0000	Wall | | Concrete Block |	5,7,9,21	A	0	40	0	100	Non Asbestos	No	
Asbestos	V0000	Wall | | Concrete Block | North Wall	1	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Wall | | Drywall And Joint Compound |	10,15	A	0	340	0	100	Non Asbestos	No	
Asbestos	V0000	Wall | | Masonry |	2,5,6,7,8,10,11,13	A	0	1490	0	100	Non Asbestos	No	
Paint	L0001	Wall | Plaster | Cream On Rough Plaster	1,5,7,12,13,19	A	0	0	0	100	Lead (Low)	Yes	-
Paint	L0002	Piping | Metal | Cream On Metal Pipe	12	A	0	0	0	0	Lead (High)	Yes	-
Paint	L0003	Other | Metal | Brown On Blue On Metal	1919	A	0	0	0	6	Lead (High)	Yes	-
Paint	L0004	Wall | Plaster | Beige On Smooth Plaster	3	A	0	900	0	0	Lead (High)	Yes	-
Paint	V0000	Wall | Drywall And Joint Compound | Blue on	15	A	0	0	0	100		No	-

HAZARDOUS MATERIALS SUMMARY / SAMPLE LOG

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
		drywall									
Paint	V0000	Wall | Masonry |	10	A	0	340	0	0	-	No	-
Paint	V9500	Ceiling | Metal Pan Ceiling Tiles | White on metal	8	A	0	135	0	0	Presumed Lead	Yes	-
Paint	V9500	Wall | Masonry | White on Brick, Grey on brick	6,11	A	0	0	0	100	Presumed Lead	Yes	-
Lead Product	V9500	Batteries In Emer. Lights	1,12	A	0	0	2	0	Presumed Lead Product	Yes	-
Lead Product	V9500	Bell And Spigot Fittings	1,6,12	A	0	0	0	100	Presumed Lead Product	Yes	-
PCB	P0001	Caulking | Grey Caulking Around Spandrels	1919	A	80	0	0	0	-	No	-
PCB	P0002	| Brown Caulking At Exhaust Vent	1919	A	6	0	0	0	-	No	-
Hg	V9000	Light Fixture	10,13	A	0	0	3	0	Hg	Yes	-
Hg	V9500	Light Fixture	1,2,5,12,14	A	0	0	15	0	Presumed Hg	Yes	-
Hg	V0000	Light Fixture	3,4,6,7,8,9,11,15,19,20,21	A	0	0	50	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

HMIS All Data Report

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

ALL DATA REPORT

PINCHIN
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Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #1 : Girls Washroom **Floor: B** **Room #: 1/1A** **Area (sqft): 385**
Survey Date: 2025-03-24 **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		Drywall and joint compound, Bulkheads			A	Y		80			SF	S0111AC	None Detected	N.D.	None	
Ceiling		Plaster			A	Y		385			SF					
Ceiling		Plaster, Textured plaster			A	Y		385			SF	S0119D	None Detected	N.D.	None	
Floor		Terrazzo, Light large pebble			A	Y		300			SF	S0102B	None Detected	N.D.	None	
Floor		Terrazzo, Dark small pebble			A	Y		85			SF					
Mechanical Equipment	Fan Unit	Not Insulated			D	Y		1			EA	V0000	Non-Asbestos		None	
Mechanical Equipment	Radiator	Not Insulated			A	Y		1			EA	V0000	Non-Asbestos		None	
Other	Window Frame	Caulking, Grey caulking			A	Y		30			LF	S0100B	None Detected	N.D.	None	
Piping		Fibreglass	Straight		A	Y		230			LF					
Piping		Sweatwrap, Girls Washroom						3(7)			LF	V0122	Chrysotile	25-50%	Confirmed Asbestos	F
Piping		Not Insulated	Straight		A	Y		32			LF					
Piping	Sanitary Drain	Paint, Paint on cast iron			A	Y		100			%	S0112A	None Detected	N.D.	None	
Wall		Plaster, Textured plaster - East wall			A	Y		400			SF	S0119ABC	None Detected	N.D.	None	
Wall		Concrete Block, North wall			A	Y		150				V0000	Non-Asbestos		None	
Wall		Thin-set		Ceramic Tiles	D	N		600			SF	S0106B	None Detected	N.D.	None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #1 : Girls Washroom **Floor: B** **Room #: 1/1A** **Area (sqft): 385**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	100		%	V0001	Cream on rough plaster	Pb: 0.091 %	Lead (Low)

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #1 : Girls Washroom **Floor: B** **Room #: 1/1A** **Area (sqft): 385**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS

Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed
Bell And Spigot Fittings	100	%	V9500	Presumed

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #1 : Girls Washroom **Floor: B** **Room #: 1/1A** **Area (sqft): 385**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY

Component	Quantity	Unit	Sample	Hazard
Light Fixture	4	EA	V9500	Presumed

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #2 : Storage **Floor: B** **Room #: 2/2A** **Area (sqft): 380**
Survey Date: 2025-03-24 **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		Metal pan ceiling tiles			A	Y		100			%	V0000	Non-Asbestos		None	
Duct		Not Insulated			A	Y		35			LF	V0000	Non-Asbestos		None	
Floor		Concrete (poured)			A	Y		100			%	V0000	Non-Asbestos		None	
Mechanical Equipment	Fan Unit	Not Insulated										V0000	Non-Asbestos		None	
Piping		Fibreglass			A	Y		40			LF	V0000	Non-Asbestos		None	
Piping		Not Insulated			A	Y		10			LF	V0000	Non-Asbestos		None	
Wall		Concrete (poured)			A	Y		280			SF	V0000	Non-Asbestos		None	
Wall		Drywall and joint compound			A	Y		280			SF					
Wall		Masonry			A	Y		130			SF	V0000	Non-Asbestos		None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #2 : Storage **Floor: B** **Room #: 2/2A** **Area (sqft): 380**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall[1]	Masonry	100		%				No

1 - Green on brick

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #2 : Storage **Floor: B** **Room #: 2/2A** **Area (sqft): 380**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9500	Presumed

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #3 : Classroom **Floor: B** **Room #: 3** **Area (sqft): 860**
Survey Date: 2025-03-24 **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		Ceiling Tiles (lay-in), 24x48 pinhole w/ deep fleck			C	Y		100			%	V0115	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12x12 beige w/ brown and orange streaks			A	Y		860			SF	S0105AC	None Detected	N.D.	None	
Other	Sink	Mastic, Gold			A	Y		2(7)			EA	S0101ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Parging Cement	Fitting		C	N		8(7)			EA	V0048	Chrysotile	50-75%	Confirmed Asbestos	F
Piping		Aircell			D	N		100(7)			%	V0049	Chrysotile	50-75%	Confirmed Asbestos	F
Piping	Sink	Parging Cement, at sink penetration			A	Y		1			EA	S0103ABC	None Detected	N.D.	None	
Wall		Drywall and joint compound, Classroom 3						100			%	V0024	None Detected	N.D.	None	
Wall		Plaster, Smooth			A	Y		800			SF	S0117AC	None Detected	N.D.	None	
Wall		Plaster, Room 3										V0099	None Detected	N.D.	None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #3 : Classroom **Floor: B** **Room #: 3** **Area (sqft): 860**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	900		SF	L0004	Beige on smooth plaster	Pb: 0.46 %	Lead (High)

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #3 : Classroom **Floor: B** **Room #: 3** **Area (sqft): 860**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture[1]	10	EA	V0000	

1 - LED

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #4 : Classroom **Floor: B** **Room #: 4** **Area (sqft): 860**
Survey Date: 2025-03-24 **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		Ceiling Tiles (lay-in), 24x48 pinhole w/ deep fleck			C	Y		100			%	V0115	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12x12 white w/ faint brown streaks			A	Y		760			SF	S0104ABC	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12x12 beige w/ brown and orange streaks			A	Y		100			SF	S0105B	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 9x9 under 12x12 white w/ faint brown streaks		Vinyl Floor Tile	A	Y		800(7)			SF	S0113ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile, 12x12 Faded cream; Classroom 4										V0031	None Detected	N.D.	None	
Piping		Parging Cement	Fitting		C	N		20(7)			EA	V0048	Chrysotile	50-75%	Confirmed Asbestos	F
Piping		Aircell			D	N		100(7)			%	V0049	Chrysotile	50-75%	Confirmed Asbestos	F
Wall		Drywall and joint compound, Around ducts			A	Y		100			%	S0111B	None Detected	N.D.	None	
Wall		Plaster, Smooth			A	Y		800			SF	S0117B	None Detected	N.D.	None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #4 : Classroom **Floor: B** **Room #: 4** **Area (sqft): 860**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall[1]	Drywall and joint compound	100		%				No

1 - Blue on drywall

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #4 : Classroom **Floor: B** **Room #: 4** **Area (sqft): 860**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture[1]	10	EA	V0000	

1 - LED

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #5 : Storage **Floor: B** **Room #: 5** **Area (sqft): 50**
Survey Date: 2025-03-24 **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		Plaster, Textured plaster			C	N		50			SF	V0121	None Detected	N.D.	None	
Floor		Concrete (poured)			A	Y		50				V0000	Non-Asbestos		None	
Piping		Fibreglass			A	Y		18			LF	V0000	Non-Asbestos		None	
Piping		Not Insulated			A	Y		12			LF	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		120			SF	V0000	Non-Asbestos		None	
Wall		Concrete Block			A	Y		40				V0000	Non-Asbestos		None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #5 : Storage **Floor: B** **Room #: 5** **Area (sqft): 50**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	100		%	V0001	Cream on rough plaster	Pb: 0.091 %	Lead (Low)

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #5 : Storage **Floor: B** **Room #: 5** **Area (sqft): 50**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #6 : Boiler Room **Floor: B** **Room #: 6/6A** **Area (sqft): 750**
Survey Date: 2025-03-24 **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		None Found			B	Y										
Duct		Not Insulated			C	Y		100			%	V0000	Non-Asbestos		None	
Floor		Concrete (poured)										V0000	Non-Asbestos		None	
Mechanical Equipment		Not Insulated			B	Y		6			EA	V0000	Non-Asbestos		None	
Piping		Thermal Insulation										V0050	None Detected	N.D.	None	
Piping		Parging Cement			C	N		2(7)			EA	V0048	Chrysotile	50-75%	Confirmed Asbestos	F
Piping		Aircell, Classroom 6			D	N		100(7)			%	V0049	Chrysotile	50-75%	Confirmed Asbestos	F
Piping		Sweatwrap			A	Y		100(5)			%	V0122	Chrysotile	25-50%	Confirmed Asbestos	F
Piping		Not Insulated			B	Y		100			%	V0000	Non-Asbestos		None	
Wall		Concrete (poured)										V0000	Non-Asbestos		None	
Wall		Drywall and joint compound, Room 6										V0086	None Detected	N.D.	None	
Wall		Masonry			B	Y						V0000	Non-Asbestos		None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #6 : Boiler Room **Floor: B** **Room #: 6/6A** **Area (sqft): 750**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	100		%	V9500	White on Brick		Presumed Lead

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #6 : Boiler Room **Floor: B** **Room #: 6/6A** **Area (sqft): 750**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Bell And Spigot Fittings	100	%	V9500	Presumed

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #6 : Boiler Room **Floor: B** **Room #: 6/6A** **Area (sqft): 750**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture[1]	4	EA	V0000	

1 - LED

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #7 : Custodian office **Floor: B** **Room #: 7/7A** **Area (sqft): 430**
Survey Date: 2025-03-24 **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		Ceiling Tiles (lay-in), Date stamped: 06/19/14			A	Y		100			%	V0000	Non-Asbestos		None	
Ceiling[1]		Drywall and joint compound			B	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Metal pan ceiling tiles			A	Y		60			SF	V0000	Non-Asbestos		None	
Duct[2]		Paper, Room 7		Drywall and joint compound	D	N		100(7)			%	V0084	Chrysotile	25-50%	Confirmed Asbestos	NF
Floor		Concrete (poured)			B	Y		430			SF	V0000	Non-Asbestos		None	
Piping		Fibreglass			B	N		120			LF	V0000	Non-Asbestos		None	
Piping		Parging Cement	Elbow		A	Y		4(5)			EA	V0048	Chrysotile	50-75%	Confirmed Asbestos	F
Piping		Sweatwrap			A	Y		24(5)			LF	V0122	Chrysotile	25-50%	Confirmed Asbestos	F
Piping	Water Meter	Thermal Insulation, Room 7			D	N		1(7)			EA	V0051	Chrysotile	0.5-5%	Confirmed Asbestos	F
Wall		Plaster			A	Y		120			SF	V0118	None Detected	N.D.	None	
Wall		Masonry			B	Y		100			SF	V0000	Non-Asbestos		None	
Wall		Concrete Block			B	Y		40			SF	V0000	Non-Asbestos		None	

1 - Bulkhead at duct
2 - Duct is inaccessible, behind bulkhead

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #7 : Custodian office **Floor: B** **Room #: 7/7A** **Area (sqft): 430**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	100		%	V0001	Cream on rough plaster	Pb: 0.091 %	Lead (Low)

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #7 : Custodian office **Floor: B** **Room #: 7/7A** **Area (sqft): 430**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture[1]	3	EA	V0000	

1 - LED

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #8 : Storage **Floor: B** **Room #: 8** **Area (sqft): 135**
Survey Date: 2025-03-24 **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		Plaster, Textured - Caretakers storage										V0053	None Detected	N.D.	None	
Ceiling		Metal pan ceiling tiles			B	Y		100			%	V0000	Non-Asbestos		None	
Floor		Concrete (poured)			B	Y		100			%	V0000	Non-Asbestos		None	
Piping		Parging Cement	Elbow		A	Y		6(5)			EA	V0048	Chrysotile	50-75%	Confirmed Asbestos	F
Piping		Sweatwrap			A	Y		35(5)			LF	V0122	Chrysotile	25-50%	Confirmed Asbestos	F
Wall		Masonry			B	Y		100			%	V0000	Non-Asbestos		None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #8 : Storage **Floor: B** **Room #: 8** **Area (sqft): 135**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Ceiling	Metal pan ceiling tiles	100	35	SF	V9500	White on metal		Presumed Lead

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #8 : Storage **Floor: B** **Room #: 8** **Area (sqft): 135**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V0000	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #9 : Closet **Floor: B** **Room #: 9** **Area (sqft): 16**
Survey Date: 2025-03-24 **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		Drywall and joint compound			A	Y		16			SF	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 White w/ grey fleck			A	Y		1150			SF	V0116	None Detected	N.D.	None	
Piping		Fibreglass			A	Y		10			LF	V0000	Non-Asbestos		None	
Wall		Concrete Block			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #9 : Closet **Floor: B** **Room #: 9** **Area (sqft): 16**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	100		%		White on block		No

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #9 : Closet **Floor: B** **Room #: 9** **Area (sqft): 16**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V0000	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #10 : Storage **Floor: B** **Room #: 10** **Area (sqft): 220**
Survey Date: 2025-03-24 **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		Metal pan ceiling tiles			A	Y		220			SF	V0000	Non-Asbestos		None	
Duct		None Found														
Floor		Concrete (poured)			A	Y		220			SF	V0000	Non-Asbestos		None	
Piping		Fibreglass			A	Y		23			LF	V0000	Non-Asbestos		None	
Piping		Not Insulated			A	Y		70			LF	V0000	Non-Asbestos		None	
Structure		Wood			D	N		100			%	V0000	Non-Asbestos		None	
Wall		Drywall and joint compound			A	Y		340			SF	V0000	Non-Asbestos		None	
Wall		Masonry			A	Y		340			SF	V0000	Non-Asbestos		None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #10 : Storage **Floor: B** **Room #: 10** **Area (sqft): 220**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall[1]	Masonry	340		SF	V0000			No

1 - Beige on brick

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #10 : Storage **Floor: B** **Room #: 10** **Area (sqft): 220**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9000	Yes

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #11 : Fan room **Floor: B** **Room #: 11/11A** **Area (sqft): 240**
Survey Date: 2025-03-24 **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		Drywall (no compound)			B	Y		240			SF	V0000	Non-Asbestos		None	
Duct		Canvas			B	Y		40(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Concrete (poured)			B	Y		240			SF	V0000	Non-Asbestos		None	
Mechanical Equipment	Fan Unit	Not Insulated			B	Y		1			EA	V0000	Non-Asbestos		None	
Piping		Fibreglass			B	Y		18			LF	V0000	Non-Asbestos		None	
Piping		Not Insulated			B	Y		4			LF	V0000	Non-Asbestos		None	
Wall		Masonry			B	Y		800			SF	V0000	Non-Asbestos		None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #11 : Fan room **Floor: B** **Room #: 11/11A** **Area (sqft): 240**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	100		%	V9500	Grey on brick		Presumed Lead

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #11 : Fan room **Floor: B** **Room #: 11/11A** **Area (sqft): 240**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V0000	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #12 : Boys Washroom **Floor: B** **Room #: 12** **Area (sqft): 600**
Survey Date: 2025-03-24 **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		Plaster, Textured plaster			A	Y		595		5	SF	S0118E	None Detected	N.D.	None	
Floor		Terrazzo, Light large pebble			A	Y		600			SF	S0102AC	None Detected	N.D.	None	
Mechanical Equipment	Fan Unit	Not Insulated			D	Y		1			EA	V0000	Non-Asbestos		None	
Mechanical Equipment	Radiator	Not Insulated			A	Y		2			EA	V0000	Non-Asbestos		None	
Other	Window Frame	Caulking, Grey caulking			A	Y		30			LF	S0100AC	None Detected	N.D.	None	
Piping		Fibreglass	Straight		A	Y		230			LF					
Piping		Fibreglass, Room 12 - Boys washroom										V0052	None Detected	N.D.	None	
Piping		Sweatwrap			A	Y		120(5)			LF	S0122ABC	Chrysotile	25-50%	Confirmed Asbestos	F
Piping		Not Insulated	Straight		A	Y		32			LF					
Piping	Unidentified Pipe	Parging Cement	Elbow	Canvas	A	Y		1(5)			EA	V0048	Chrysotile	50-75%	Confirmed Asbestos	F
Wall		Plaster, Textured plaster - North wall			A	Y		700			SF	S0118ABCD	None Detected	N.D.	None	
Wall		Plaster, Room 12										V0096	[None]	0.5-5%	[Abated]	
Wall		Thin-set		Ceramic Tiles	D	N		800			SF	S0106AC	None Detected	N.D.	None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #12 : Boys Washroom **Floor: B** **Room #: 12** **Area (sqft): 600**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	100		%	L0001	Cream on rough plaster	Pb: 0.091 %	Lead (Low)
Piping	Metal				L0002	Cream on metal pipe	Pb: 0.13 %	Lead (High)

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #12 : Boys Washroom **Floor: B** **Room #: 12** **Area (sqft): 600**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed
Bell And Spigot Fittings	100	%	V9500	Presumed

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #12 : Boys Washroom **Floor: B** **Room #: 12** **Area (sqft): 600**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	5	EA	V9500	Presumed

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #13 : Custodian Closet **Floor: B** **Room #: 13** **Area (sqft): 70**
Survey Date: 2025-03-24 **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		Plaster, Textured plaster			A	Y		70			SF	V0118	None Detected	N.D.	None	
Piping		Parging Cement	Elbow		A	Y		2(5)			EA	V0048	Chrysotile	50-75%	Confirmed Asbestos	F
Piping		Sweatwrap			A	Y		14(5)			LF	V0122	Chrysotile	25-50%	Confirmed Asbestos	F
Wall		Plaster			A	Y		120			SF	V0118	None Detected	N.D.	None	
Wall		Masonry			B	Y		100			%	V0000	Non-Asbestos		None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #13 : Custodian Closet **Floor: B** **Room #: 13** **Area (sqft): 70**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	100		%	V0001	Cream on rough plaster	Pb: 0.091 %	Lead (Low)

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #13 : Custodian Closet **Floor: B** **Room #: 13** **Area (sqft): 70**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9000	Yes

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #14 : Storage / Crawlspace Entrance **Floor: B** **Room #: 14/14A** **Area (sqft): 220**
Survey Date: 2025-03-24 **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
Piping		Parging Cement	Elbow		A	Y		24(5)			EA	V0048	Chrysotile	50-75%	Confirmed Asbestos	F
Piping		Aircell			D	N		100(7)			%	V0049	Chrysotile	50-75%	Confirmed Asbestos	F
Piping		Sweatwrap			A	Y		55(5)			LF	V0122	Chrysotile	25-50%	Confirmed Asbestos	F
Wall		Plaster, Textured on Drywall. Room 14										V0083	Chrysotile	<0.5%	None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #14 : Storage / Crawlspace Entrance **Floor: B** **Room #: 14/14A** **Area (sqft): 220**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	100		%		White on brick		No

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #14 : Storage / Crawlspace Entrance **Floor: B** **Room #: 14/14A** **Area (sqft): 220**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9500	Presumed

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #15 : JK/SK Classroom **Floor: B** **Room #: 15, 16, 17** **Area (sqft): 1600**
Survey Date: 2025-03-24 **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		Ceiling Tiles (lay-in), Date stamped: 06/19/14			A	Y		100			%	V0000	Non-Asbestos		None	
Ceiling		Plaster, Room 15						100			%	V0094	[None]	0.5-5%	[Abated]	
Ceiling		Plaster, Room 16						100			%	V0096	[None]	0.5-5%	[Abated]	
Floor		Ceramic Tiles			A	Y		200			SF	V0000	Non-Asbestos		None	
Floor		Laminate			A	Y		1400			SF	V0000	Non-Asbestos		None	
Piping		Fibreglass			C	N		100			%	V0000	Non-Asbestos		None	
Structure		Wood			C	N		100			%	V0000	Non-Asbestos		None	
Wall		Drywall and joint compound			A	Y		100			%	V0000	Non-Asbestos		None	
Wall		Plaster, Room 16						100			%	V0096	[None]	0.5-5%	[Abated]	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #15 : JK/SK Classroom **Floor: B** **Room #: 15, 16, 17** **Area (sqft): 1600**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Drywall and joint compound	100		%	V0000	Blue on drywall		No

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #15 : JK/SK Classroom **Floor: B** **Room #: 15, 16, 17** **Area (sqft): 1600**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture[1]	12	EA	V0000	

1 - LED

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #19 : Stairwell **Floor: B** **Room #: 19** **Area (sqft): 150**
Survey Date: 2025-03-24 **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		Plaster, Textured plaster			A	Y		150			SF	V0118	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12x12 White w/ grey fleck			A	Y		100			%	V0116	None Detected	N.D.	None	
Piping		Parging Cement	Elbow		A	Y		6(5)			EA	V0048	Chrysotile	50-75%	Confirmed Asbestos	F
Piping		Sweatwrap			A	Y		100(5)			%	V0122	Chrysotile	25-50%	Confirmed Asbestos	F
Wall		Plaster			A	Y		400			SF	V0118	None Detected	N.D.	None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #19 : Stairwell **Floor: B** **Room #: 19** **Area (sqft): 150**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	100		%	V0001	Cream on rough plaster	Pb: 0.091 %	Lead (Low)

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #19 : Stairwell **Floor: B** **Room #: 19** **Area (sqft): 150**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture[1]	1	EA	V0000	

1 - LED

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #20 : Corridor **Floor: B** **Room #: 20, 18** **Area (sqft): 1150**
Survey Date: 2025-03-24 **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		Ceiling Tiles (lay-in), 24x48 pinhole w/ deep fleck			C	Y		1150			SF	S0115ABC	None Detected	N.D.	None	
Ceiling		Plaster, Textured plaster			C	N		1000			SF	S0121ABC	None Detected	N.D.	None	
Ceiling		Plaster, Corridor 20										V0096	[None]	0.5-5%	[Abated]	
Floor		Vinyl Floor Tile and Mastic, 12x12 White w/ grey fleck			A	Y		1150			SF	S0116ABC	None Detected	N.D.	None	
Other	Window	Putty, White window putty at stairwell			A	Y		144			LF					
Piping		Parging Cement	Elbow		A	Y		3(5)			EA	V0048	Chrysotile	50-75%	Confirmed Asbestos	F
Piping		Sweatwrap			A	Y		100(5)			%	V0122	Chrysotile	25-50%	Confirmed Asbestos	F
Piping	Unidentified Pipe	Paint			A	Y		50			%	S0112BC	None Detected	N.D.	None	
Wall		Plaster, Rough plaster			A	Y		60			SF					
Wall		Plaster, Textured plaster, lower half of wall			A	Y		1700			SF	S0114ABC	None Detected	N.D.	None	
Wall		Plaster, Textured plaster - upper half of walls			A	Y		1700			SF	S0120ABC	None Detected	N.D.	None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #20 : Corridor **Floor: B** **Room #: 20, 18** **Area (sqft): 1150**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Plaster	100		%		White on plaster		No

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #20 : Corridor **Floor: B** **Room #: 20, 18** **Area (sqft): 1150**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture[1]	5	EA	V0000	

1 - LED

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #21 : Stairwell **Floor: B** **Room #: 21** **Area (sqft): 215**
Survey Date: 2025-03-24 **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		Ceiling Tiles (lay-in), 24x48 pinhole w/ deep fleck			C	Y		215			SF	V0115	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12x12 White w/ grey fleck			A	Y		100			%	V0116	None Detected	N.D.	None	
Piping		Parging Cement	Elbow		A	Y		3(5)			EA	V0048	Chrysotile	50-75%	Confirmed Asbestos	F
Wall		Concrete Block			A	Y		100			%	V0000	Non-Asbestos		None	

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #21 : Stairwell **Floor: B** **Room #: 21** **Area (sqft): 215**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete Block	100		%		White on block		No

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #21 : Stairwell **Floor: B** **Room #: 21** **Area (sqft): 215**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture[1]	1	EA	V0000	

1 - LED

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #1919 : 1919 Exterior **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2025-03-24 **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
Mechanical Equipment	Exhaust	Caulking, Brown			A	Y		6			LF	S0110ABC	None Detected	N.D.	None	
Other	Spandrel Panel	Thermal Insulation, Cellulose			D	N		36			SF	S0107ABC	None Detected	N.D.	None	
Other	Spandrel Panel	Putty			A	Y		48			LF	S0108ABC	None Detected	N.D.	None	
Other	Window Frame	Caulking, Grey			A	Y		48(7)			LF	S0109ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #1919 : 1919 Exterior **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Other	Metal	6		%	L0003	Brown on blue on metal	Pb: 0.29 %	Lead (High)

Client: Hdsb **Site: 638 Brant St, Burlington, ON** **Building Name: Central Public School**
Location: #1919 : 1919 Exterior **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2025-03-24 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Caulking	80		LF	P0001	Grey caulking around spandrels	0.2 mg/kg	No
	6		LF	P0002	Brown caulking at exhaust vent	<0.1 mg/kg	No

Client: Hdsb
Site: 638 Brant St, Burlington, ON
Building Name: Central Public School
Location: #1948 : 1948 Exterior
Floor:
Room #:
Area (sqft): 0
Survey Date: 2025-03-24
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
Other	Cladding	Caulking, Dark brown, at metal cladding to entrance 6										V0014	Chrysotile	<0.5%	None	
Other	Window Frame	Caulking, Grey			A	Y						V0013	None Detected	N.D.	None	

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

PART 1 GENERAL

1.1 General and Related Work

.1 Read this Section in conjunction with all drawings and all other Sections so as to comply with the requirements of the General Conditions of the Contract.

.2 Related work specified elsewhere:

.1	Section 02 82 00.02	Asbestos Abatement – Type 2 Procedures
.2	Section 02 82 00.04	Asbestos Abatement – Type 2 Glove Bag Method
.3	Section 02 83 10	Lead Abatement – Class 1 Procedures
.4	Section 02 83 11	Lead Abatement – Class 2 Procedures

.3 Site Conditions identifies all known hazardous building materials within the Project Area. The information provided is for general reference only. Each Contractor must confirm existing conditions on site prior to tender close.

.1 The specification fulfils the requirements of Section 30 of the Ontario Occupational Health and Safety Act.

.2 The specification fulfils the requirements of the Section 10 of Ontario Regulation 278/05.

.4 The Outline of Work identifies the location, condition and quantities of hazardous building materials to be removed as part of this project.

.1 It is the intent that work prescribed this Section will result in the removal of all hazardous materials as outlined and the decontamination of all surfaces or materials which may have been or become contaminated by hazardous materials either during or prior to work of this Contract.

1.2 Site Conditions

.1 Refer to the report entitled “Hazardous Building Materials Assessment (Pre-construction), Washroom Renovation Project, Central Public School, 638 Brant Street, Burlington, Ontario”, dated May 7, 2025, prepared by Pinchin Ltd., file number 352316.002.

1.3 Outline of Work

.1 Coordinate the following items with the Owner's Project Manager and the Construction Manager, which are to be included in the Abatement Contractor's scope of work, including but not limited to: electrical isolations, GFI connection, water connections, HVAC and exhaust ventilation system isolation, bin placement, schedule, disconnects, etc.

.2 Refer to the Contract Drawings for the extent of construction work, Work Areas, phasing and schedule.

.3 Install Hoarding Walls between Abatement Work Areas and Occupied Areas as required.

.4 Using Glove-Bag procedures prescribed in the Section identified in Related Work, remove and dispose of all asbestos-contingent pipe insulation from the Boys and Girls Washrooms (approximately 125 LF/Units below ceiling). Include to removal and dispose of concealed pipe insulation where discovered during demotion work (i.e. above ceilings, allowed for 50 LF/Units).

.1 If for reasons of pipe geometry or access, Glove Bag procedures cannot be used, remove and dispose of asbestos-containing insulations as per Section 02 82 11 for less than 1 square meter, or following Type 3 procedures in accordance with Ontario Regulation 278/05 for greater than 1 square meter.

.5 Follow lead procedures prescribed in the Sections identified in Related Work, to perform the following work:

.1 Disturbance of lead-containing paint on walls and piping within the project areas.

.2 Demolition of walls with lead-containing paint.

.3 Any other operation that may disturb lead paint.

.6 Follow silica procedures prescribed in the MOL Silica on Construction Projects Guidelines when disturbing silica-containing materials.

.7 Refer to Specification Sections identified in the Related Work for specified personnel protective measures for the safe handling, removal, clean-up, enclosure, or repair of hazardous materials in each phase or work area.

.8 Visit the site prior to tender close to confirm the location and extent of any hazardous building materials or materials contaminated by hazardous materials.

.9 Protect surfaces, building fabrics and items remaining within the Abatement Work Area.

.10 Without disturbing hazardous materials, perform removals where required, prior to abatement work.

.1 Maximize waste diversion by use of resale of building materials, or recycling.

.11 Isolate the Abatement Work Area from adjoining Occupied and Non-Occupied Areas whether present at an interior or exterior location.

.12 Maintain emergency and fire exits from Abatement Work Area, or establish alternative exits satisfactory to Provincial Fire Marshall and local authorities having jurisdiction. Maintain extra routes from occupied areas. Place emergency exit signs at locations to clearly mark exit route. Seal emergency exit doors so as not to impede use of door during emergency evacuation.

.13 Remove, clean, store and replace at completion of work, non-operating mechanical and electrical equipment, ducts, building components, materials or items removed to accommodate asbestos removal.

.14 Remove and dispose of as appropriate waste, building components, materials and items contaminated by hazardous materials that cannot be effectively cleaned.

.15 Encapsulate remaining hazardous materials at locations where removal is deemed impractical by the Abatement Consultant.

.16 Encapsulation will not be permitted where removal of building materials or structures scheduled for demolition will facilitate access to the asbestos materials in question.

.17 Final clean work area to remove visible signs of asbestos and other hazardous materials, other debris or settled dust.

.18 Apply lock-down agent to exposed surfaces throughout the work area and to surfaces from which any hazardous materials have been removed.

.1 Do not apply lock-down to materials which would be damaged by its application.

.19 Unless otherwise specified, the handling, removal, clean-up or repair of hazardous materials or surfaces contaminated with hazardous materials is to be performed following wet removal techniques.

1.4 Schedule

.1 Provide necessary manpower, supervision, equipment and materials to maintain and complete the project on schedule.

.2 Work Hours:

.1 Coordinate all work, scheduling and phasing with the Owner.

.2 Duration for which HVAC systems may remain shutdown to accommodate quiet hours work will vary in accordance with outside weather conditions and internal demand. Duration of quiet hours work will have to be scheduled accordingly and in consultation with the Abatement Consultant and Owner.

.3 Provide 48 hours written notice to the Abatement Consultant of any request to work outside normal working hours. Obtain written approval before proceeding.

1.5 Definitions

.1 Abatement Consultant: Owner's Representative providing inspection and air monitoring.

.2 Abatement Contractor: Contractor or sub-contractor performing work of this section.

.3 Abatement Work Area: Area where work takes place which will, or may, disturb hazardous materials.

.4 Amended Water: Water with wetting agent added for the purpose of reducing surface tension to allow thorough wetting of materials.

.5 Asbestos: Any of the fibrous silicates defined in Regulation 278/05 including: actinolite, amosite, anthophyllite, chrysotile, crocidolite and tremolite.

.6 Asbestos-Containing Material (ACM): Material identified under Site Conditions including any debris, overspray, fallen material and settled dust.

.7 Authorized Visitors: Building Owner, Abatement Consultant, or designated representative, and persons representing regulatory agencies.

.8 Competent Worker: A worker who is qualified because of knowledge, training and experience to perform the work, is familiar with Regulation 278/05 and the Occupational Health and Safety Act, and has knowledge of the potential or actual danger to health and safety in the work.

.9 Contaminated Waste: Material identified under Site Conditions, including fallen material, settled dust, other debris and materials or equipment deemed to be contaminated by the Abatement Consultant.

.10 Curtained Doorway: Doorway consisting of two (2) overlapping flaps of rip-proof polyethylene arranged to permit ingress and egress from one room to another while permitting minimal air movement between rooms.

.11 DOP Test: A testing method used to determine the integrity of the Negative Pressure unit or vacuum using a Dispersed Oil Particulate (DOP) or Poly Alpha Olefin (PAO) HEPA filter leak test. This test is to be conducted on site where units are to be installed. Refer to the Environmental Abatement Council of Canada (EACC) DOP/PAO Testing Guideline 2013 or ANSI/ASME N510-2007.

.12 Fitting: Individual segments or pieces of a mechanical service line which may include but is not limited to the hangers, tees, elbows, joints, valves, unions, etc.

.13 Friable Material: Material that when dry can be crumbled, pulverized or powdered by hand pressure and includes such material that is crumbled, pulverized or powdered.

.14 HEPA: High Efficiency Particulate Aerosol filter that is at least 99.97 percent efficient in collecting a 0.3 micrometre aerosol.

.15 Lead-Containing: The Ontario Ministry of Labour (MOL) has not established a lower limit for concentrations of lead in paint, below which precautions do not need to be considered during construction projects. Pinchin follows the recommendations of the Environmental Abatement Council of Canada (EACC) Lead Guideline for Construction, Renovation, Maintenance or Repair. The Guideline suggests that 0.1% (1,000 ppm) lead in paint represents a de minimis concentration of lead in paint for construction hygiene purposes, that is a concentration below which the lead content is not the limiting hazard in any disturbance of leaded paint for non-aggressive disturbance of painted finishes, (hand powered demolition, chipping, scraping, light sanding, etc.).

.16 Lead Waste: Waste generated from removal of lead-containing materials, or the substrate and paint finish where left intact.

.17 Milestone Inspection: Inspection of the Abatement Work Area at a defined point in the abatement operation.

.18 Negative Pressure: A reduced pressure within the Abatement Work Area (> 0.02 inches of water column) established by extracting air directly from Abatement Work Area and discharging it to exterior of building.

.19 Non-Friable Material: Material that when dry cannot be crumbled, pulverized or powdered by hand pressure.

.20 Occupied Area: Any area of the building or adjoining space outside the Abatement Work Area.

.21 Personnel: All Contractor's employees, sub-contractors employees, supervisors.

.22 PCM: Phase Contrast Microscopy.

.23 Remove: Remove means remove and dispose of (as applicable type of waste) unless followed by other instruction (e.g. remove and turn over to Owner).

.24 TEM: Transmission Electron Microscopy.

1.6 Regulations and Guidelines

.1 Comply with Provincial, and local requirements, provided that in any case of conflict among those requirements or with these Specifications, the more stringent requirements shall apply. Work shall be performed under regulations in effect at the time work is performed.

.2 Where regulations are not present, follow accepted industry standards and applicable Guideline documents.

.3 Regulations include but are not limited to the following:

.1 Ministry of Labour Occupational Health and Safety Act Regulations for Construction Projects including Revised Statutes of Ontario 1990, Chapter 0.1 and Ontario Regulation 278/05.

.2 Ministry of the Environment and Climate Change Regulation for the disposal of waste, including R.R.O. 1990, Reg. 347 as amended.

.3 PCB Regulations, SOR 2008-273 and R.R.O. 1990, Reg 362.

.4 Regulation 490/09 Designated Substances.

.5 Environmental Abatement Council of Ontario (EACO), Lead Guideline For Construction, Renovation, Maintenance or Repair, October 2014.

.6 Ministry of Labour, Guideline, Silica on Construction Projects, 2011.

1.7 Quality Assurance

.1 Removal and handling of hazardous materials is to be performed by persons trained in the methods, procedures and industry practices for Abatement.

.2 Ensure work proceeds to schedule, meeting all requirements of this Specification.

.3 Complete work so that at no time airborne dust, visible debris, or water runoff contaminate areas outside the Abatement Work Area.

.4 Any contamination of surrounding area (indicated by visual inspection or air monitoring) shall necessitate the clean-up of affected area, and in the same manner applicable to an Abatement Work Area at no cost to the Owner.

.5 All work involving electrical, mechanical, carpentry, glazing, etc., shall be performed by licensed persons experienced and qualified for the work required.

1.8 Supervision

.1 Provide on site for each work shift, a Shift Superintendent(s), who has authority regarding all aspects related to manpower, equipment and production.

.2 Supervisory personnel must hold a recognized certificate proving attendance at an asbestos removal training course (2 day minimum duration) and have performed supervisory functions on at least five (5) other asbestos abatement projects of similar size and complexity.

.3 At all times during work, the Shift Superintendent(s) must be on site. Failure to comply with this requirement will result in a stoppage of all work, at no cost to the Owner.

.4 Replace supervisory personnel, with approved replacements, within three (3) working days of a written request from the Owner. Owner reserves the right to request replacement of supervisory personnel without explanation.

.5 Do not replace supervisory personnel without written approval from the Owner.

1.9 Instruction and Training

.1 Instruction and training must be provided by a competent person.

.2 All workers completing Type 1, 2 or 3 asbestos abatement must be trained in compliance with Section 19 of O.Reg. 278/05.

.1 For Type 3 asbestos abatement, workers must be trained and certified per Section 20 of O.Reg. 278/05.

.3 All workers completing lead, or silica work must be trained to perform the work.

1.10 Notification

.1 Before commencing work, notify orally and in writing, an inspector at the office of the Ontario MLITSD nearest the project site, where required.

.2 Inform all trades on site of the presence and location of hazardous materials identified in the Contract documents.

.3 Notify the Owner or Owner's Representative, the Joint Occupational Health and Safety Committee and the Provincial Ministry of Labour, if suspected asbestos-containing materials not identified in the contract documents are discovered during the course of the work. Stop work in these areas immediately.

.4 Notify Sanitary Landfill site as per O.Reg. 347/90 as amended.

1.11 Submittals

.1 Submit prior to starting work:

.1 Workplace Safety and Insurance Board Clearance Certificate.

.2 Insurance certificates.

.3 Copy of Company Health and Safety Policy and applicable programs.

.4 Ontario MLITSD Notice of Project form and/or Notice of Asbestos Removal Work Form.

.5 Copy of Certificate of Approval for disposal of asbestos waste.

.1 If transporting asbestos waste in bulk, copy of environmental compliance approval for a waste management system authorizing the transportation of asbestos waste in bulk.

.6 Pre-removal damage survey of the Abatement Work Area(s), waste transport routes, and bin storage areas.

.2 Submit the following information regarding personnel prior to starting work:

.1 Proof in the form of a certificate that supervisory personnel have attended a training course on asbestos removal or are certified as supervisors as an Asbestos Abatement Supervisor (AAS) under the Ministry of Training, Colleges and Universities.

.2 Written statement that personnel have had instruction on hazards of exposure to hazardous materials identified within this scope, the use of respirator, protective clothing, worker and waste decontamination procedures, and all aspects of work procedures and protective measures.

.3 WHMIS training certificates for all personnel.

.4 Certificate proving that each worker on site has been fit tested for the respirator appropriate for the work being performed.

.5 Proof of training for the following site-specific hazards or conditions identified:

.1 Lead Worker Training

.3 Submit the following information regarding HEPA filtered devices prior to construction of enclosure or asbestos abatement:

.1 Performance data on HEPA filtered vacuums including DOP tests no more than 3 months old.

.2 Performance data on negative air units including DOP tests which must be no more than 3 months old if the unit is vented outdoors or which must be performed on site immediately prior to initial usage and when HEPA filters are changed if the unit is vented indoors.

.3 DOP tests to be performed by an independent testing company.

.1 DOP testing company is required to submit a detailed technical report of testing protocol, including Introduction, Methodology, Results, Conclusions, and Recommendations, including results of the Air-Aerosol Mixing Uniformity test as per ASME N510-1989 (1995).

.2 DOP testing company must also provide calibration certificates from an independent calibration firm or from the manufacturer of the testing equipment for both the aerosol photometer and the pressure gauge on the aerosol generator dated within 1 calendar year from the on-site testing date.

.3 DOP testing company must also provide the National Sanitation Foundation (NSF) certification name and number of the on-site technician performing the testing.

.4 Proof of calibration of DOP testing equipment.

.4 Submit the following prior to isolating the work area:

.1 Safety Data Sheets for chemicals or material used in the course of the Abatement Project.

.5 Submit the following upon completion of the work.

.1 Manifests, waybills, bills of ladings etc. as applicable for each type of waste.

1.12 Insurance

.1 Maintain a Commercial General Liability Policy with an insurance company acceptable to the Halton District School Board and the General Contractor. The intent of this policy is to hold the Halton District School Board and the General Contractor harmless as it relates to claims for Bodily Injury or Property Damage or both, relating to the contract. Commercial General Liability insurance shall be provided on an "occurrence" basis to cover injury or damage (whether detected or not during the policy period) which happens during the policy period.

.2 Maintain an Automobile or Fleet Policy, and Non-owned Automobile Policy with an insurance company acceptable to the Halton District School Board and the General Contractor. The intent of these policies is to hold the Halton District School Board and the General Contractor harmless as it relates to claims for Bodily Injury or Property Damage or both, relating to the contract.

.3 Maintain a Pollution Liability Policy (or asbestos/lead liability policy or specific coverage under the CGL for asbestos/lead abatement) with an insurance company acceptable to the Halton District School Board and the General Contractor. The intent of this policy is to hold the Halton District School Board and the General Contractor harmless as it relates to claims for Bodily Injury or Property Damage or both, relating to the contract. Pollution Liability shall be provided on an "occurrence" basis to cover injury or damage (whether detected or not during the policy period) which happens during the policy period. Without limiting the generality of the foregoing, the policy shall insure the operations of abatement and shall not contain any environmental and/or health hazard exclusions relating to remediation operations.

.4 Forward all certificates to the Halton District School Board and the General Contractor before work is commenced, showing the Halton District School Board and the General Contractor as additional insured as their interest may appear.

.5 the Halton District School Board and the General Contractor may request a certified true copy of the policies.

.6 The limits will not be less than:

.1	Commercial General Liability	$5,000,000.00
.2	Automobile	$2,000,000.00
.3	Pollution Policy	$5,000,000.00

1.13 Inspection

.1 From commencement of work until completion of clean-up operations, the Abatement Consultant is empowered by the Owner to inspect for compliance with the requirements of governing authorities, adherence to specified procedures and materials, and to inspect for final cleanliness and completion.

.2 The Abatement Consultant is empowered by the Owner to order a shutdown of work when leakage of asbestos from the controlled work area has occurred or is likely to occur.

.3 Any deviation from the requirements of the Specifications or governing authorities that is not approved in writing may result in a stoppage of work, at no cost to the Owner.

.4 Additional labour or materials expended by the Contractor to rectify unsatisfactory conditions and to provide performance to the level specified shall be at no additional cost to the Owner.

.5 Inspection and air monitoring performed as a result of Contractor's failure to perform satisfactorily regarding quality, safety, or schedule, shall be back-charged to the Contractor.

.6 Facilitate inspection and provide access as necessary. Make good work disturbed by inspection and testing at no cost to the Owner.

.7 Refer to the Sections identified in Related Work for specified milestone inspections which are to take place at defined points throughout the abatement operation specific to each phase or work area.

.8 Provide 24 hours written notice to the Abatement Consultant of any request for scheduling of milestone inspections or transportation of waste through Occupied Areas.

.9 The following Milestone Inspections may take place, at the Owner's cost, as outlined in each related specification:

.1 Milestone Inspection - Clean Site Preparation

.1 Inspection of preparations and set-up prior to contaminated work in the Abatement Work Area.

.2 Milestone Inspection – Bulk Removal Inspection

.1 Inspection during asbestos removal, monitoring removal methods, site deficiencies, performing occupied air monitoring, etc.

.3 Milestone Inspection - Visual Clearance

.1 Inspection of Abatement Work Area after completion of all abatement, but prior to application of lock-down agents or dismantling of enclosure.

.10 Refer to the Sections identified in Related Work for specified milestone inspections which are to take place at defined points throughout the abatement operation specific to each phase or work area.

.11 Do not proceed with next phase of work until written approval of each milestone is received from the Abatement Consultant.

1.14 Air Monitoring - Asbestos

.1 Air monitoring will be performed using Phase Contrast Microscopy (PCM) following the National Institute for Occupational Safety and Health Method 7400.

.2 Co-operate in the collection of air samples, including providing workers to wear sample pumps for up to full-shift periods. Contractor will be responsible for the cost of testing equipment repairs or resampling resulting from the actions of the Contractor's forces.

.3 Results of PCM samples at or exceeding 0.05 fibres per cubic centimeter of air (fibre/cc) or greater, outside an Abatement Work Area, or from within the Abatement Work Area during or following Glove Bag Work, will indicate asbestos contamination of these areas. Respond as follows:

.1 Suspend work within the adjoining Abatement Work Area until written authorization to resume work has been received from the Abatement Consultant.

.2 Isolate and clean area in the same manner applicable to the Abatement Work Area.

.3 Maintain work area isolation, and repeat clean-up operations until visual inspection and air monitoring results are at a level equal to that specified.

.4 At the discretion of the Abatement Consultant provide additional negative air units at locations specified in response to elevated fibre levels being detected in the Clean Change Room or Occupied Areas.

.4 Results of PCM samples at or greater than 0.01 fibres per cubic centimeter of air (fibre/cc), collected within the Abatement Work Area enclosure after the site has passed a visual inspection, and an acceptable coat of lock-down agent has been applied, will indicate asbestos contamination of these areas. Respond as follows:

.1 Maintain work area isolation and re-clean entire work area. Then apply another acceptable coat of lock-down agent to exposed surfaces throughout the work area.

.2 Repeat above measures until visually inspected and air monitoring results are at a level equal to that specified

.3 Alternate to items above, the Asbestos Abatement Contractor can pay for analysis of PCM samples by Transmission Electron Microscopy (TEM) at NVLAP accredited laboratory.

.1 Enclosure to remain sealed, with negative pressure maintained, and subject to required daily inspections until TEM results are received.

.5 Additional labour or materials expended by the Contractor to rectify unsatisfactory conditions and to provide performance to the level specified shall be at no additional cost to the Owner.

.6 Cost of additional inspection and sampling performed as a result of elevated fibre levels in areas outside the Abatement Work Area or from within the work area following completion of work, will be back-charged to the Contractor.

1.15 Worker Protection

.1 Instruct workers before allowing entry to the Abatement Work Area. Instruction shall include training in use of respirators, dress, showering, entry and exiting from an Abatement Work Area, and all other aspects of work procedures and protective measures.

.2 Workers shall not eat, drink, chew gum or tobacco, vape or smoke in the Abatement Work Area.

.3 Workers shall be fully protected at all times when possibility of disturbance of hazardous materials exists.

.4 Provide soap, towels and facilities for washing of hands and face, which shall be used by all personnel when leaving the Abatement Work Area.

.5 Respiratory Protection

.1 Refer to each particular Section of the Specification for specified type of respiratory equipment specific to each phase or work area.

.2 Respirators shall be:

.1 Certified by the National Institute of Occupational Safety and Health (NIOSH) or other testing agency acceptable to the Ministry of Labour.
.2 Fitted so that there is an effective seal between the respirator and the worker's face. Ensure that no person required to enter an Abatement Work Area has facial hair which affects the seal between respirator and face.
.3 Assigned to a worker for their exclusive use.
.4 Maintained in accordance with manufacturer's specifications.
.5 Cleaned, disinfected and inspected by a competent person after use on each shift, or more often if required.
.6 Repaired or have damaged or deteriorated parts replaced.
.7 Stored in a clean and sanitary location.
.8 Provided with new filters as necessary, according to manufacturer's instructions.
.9 Worn by personnel who have been fit checked by qualitative or quantitative fit-testing.
.10 Instruction on proper use of respirators must be provided by a competent person as defined by the Occupational Health and Safety Act.

.3 Provide protective clothing, to all personnel which:

.1 Is made of a material that does not readily retain nor permit penetration of asbestos fibres or lead/silica dust.
.2 Consists of head covering and full body covering that fits snugly at the ankles, wrists and neck.
.3 Once coveralls are worn, treat and dispose of as contaminated waste.
.4 Is replaced or repaired if torn or ripped.

.4 Use hard hats, safety footwear and other protective equipment and apparel required by applicable construction safety regulations.

1.16 Visitor Protection

.1 Provide clean protective clothing and equipment to Authorized Visitors.

.2 Instruct Authorized Visitors in the use of protective clothing and Abatement Work Area entry and exit procedures.

.3 Authorized visitors are required to be fit tested on respirators, prior to entering Abatement Work Area.

.1 Respirator worn must be compliant with Section 13 and Table 2 of O.Reg. 278/05.

1.17 Signage

.1 Asbestos Abatement Signs: Post signs at access points to the Abatement Work Area, stating at minimum, the following:

.1 There is an asbestos dust hazard.

.2 Access to the work area is restricted to persons wearing protective clothing and equipment.

.2 Lead Abatement Signs: Post signs at access points to the Abatement Work Area, stating at minimum, the following:

.1 There is a lead dust, fume or mist hazard.

.2 Access to the work area is restricted to authorized persons.

.3 Respirators must be worn in the work area.

.3 Silica Warning Signs: Post signs at access points to the Abatement Work Area, stating at minimum, the following:

.1 There is a silica dust hazard.

.2 Access to the work area is restricted to authorized persons.

.3 Respirators must be worn in the work area.

.4 Vehicles, Bins and Asbestos Waste Containers: Post signs on both sides of every vehicle used for the transportation of asbestos waste and on every asbestos waste container. Signs must display thereon in large, easily legible letters that contrast in colour with the background the word “CAUTION” in letters not less than ten centimetres in height and the words:

.1 CONTAINS ASBESTOS FIBRES

.2 Avoid Creating Dust and Spillage

.3 Asbestos May be Harmful To Your Health

.4 Wear Approved Protective Equipment.

.5 Place placards in accordance with Transportation of Dangerous Goods Act.

1.18 Waste and Material Handling

.1 Waste bins must be placed on grade or in receiving.

.2 All bins for hazardous materials must be covered and locked when waste transfer is not being performed.

.3 Ensure redundant non-ACM, rubble, debris, etc. removed during contaminated work are treated, packaged, transported and disposed of as appropriate waste.

.4 Clean, wash and apply Post Removal Sealant to metal waste prior to removal from Abatement Work Area. Recycle metals.

.5 Clean, wash and apply Post Removal Sealant to non-porous materials prior to disposal as clean waste. Obtain prior written approval from the Abatement Consultant for each individual type of material.

.6 Clean and wash equipment prior to removal from Abatement Work Area if removed prior to completion.

.7 Place all equipment, tools and unused materials that cannot be cleaned in Abatement Waste Containers.

.8 As work progresses, and at regular intervals, transport the sealed and labelled waste containers from the Abatement Work Area to waste bin.

.9 Place items in bins according to waste classification. Place asbestos waste, lead waste, metals, non-asbestos waste, etc. in separate bins.

.10 Removal of waste containers and decontaminated tools and materials from the Abatement Work Area shall be performed as follows:

.1 Remove any visible contamination from the surface of non-porous or cleanable waste being removed from the Abatement Work Area. If the item can be cleaned, remove it from the site as clean waste.

.2 Place waste or item in Waste Container and seal closed.

.3 Wet wipe outside of Waste Container.

.4 Within Decontamination Facility, Transfer Room or at the perimeter of the Abatement Work Area, place in second Waste Container. Seal closed.

.5 Remove waste containers and transport to appropriate bin.

.11 Transport waste and materials via the predetermined routes and exits. Arrange waste transfer route with Owner. Use a closed, covered cart to transport through Occupied Areas.

.12 Provide workers transporting waste with means to access full personal protective equipment and all tools required to properly clean up spilled material in the case of a rupture of a Waste Container.

.13 Pick-up and drop off of garbage bin shall be at pre-approved times, and must not interfere with the Owners operations.

.14 Transport hazardous waste to landfill or waste transfer station licensed by the provincial Ministry of the Environment.

.15 Cooperate with the provincial Ministry of the Environment inspectors and immediately carry out instructions for remedial work at dump to maintain environment, at no additional cost to the Owner.

1.19 Re-establishment of Objects and Systems

.1 Re-establish objects and items relocated by the Contractor's workforce to facilitate work.

.2 Re-establish electrical, communication, HVAC and other services previously disconnected or otherwise isolated to accommodate work by this Section.

.3 Make good at completion of work, all damage not identified in pre-removal survey.

PART 2 PRODUCTS AND FACILITIES

2.1 Materials and Equipment

.1 Refer to the Sections identified in Related Work for specified materials, equipment or facilities specific to each phase or work area.

.2 Materials and equipment must be in good condition and free of debris and fibrous materials. Disposable items must be of new materials only.

.3 Airless Sprayer: AC powered pressure washer that allows wetting agent to mix with water, uses no air or compressed air, and has a nozzle to regulate power and pressure.

.4 Amended Water: Water with wetting agent added for purpose of reducing surface tension to allow thorough wetting of materials.

.5 Asbestos Waste Container: A container acceptable to disposal site, Ministry of the Environment, and Ministry of Labour, comprised of the following:

.1 Dust tight.

.2 Suitable for the type of waste.

.3 Impervious to asbestos.

.4 Identified as asbestos waste.

.6 Discharge Ducting: Polyethylene Tubing. Reinforced with wire. Diameter to equal negative pressure machine discharge. Not to be longer than required, or so long that negative pressure is compromised.

.7 Ground Fault Panel: Electrical panel as follows:

.1 Ground fault circuit interrupters of sufficient capacity to power temporary electrical equipment and lights in Asbestos Work Area.

.2 Interrupters to have a 5 mA ground fault protection.

.3 Necessary accessories including main switch disconnect, ground fault interrupter lights, test switch to ensure unit is working, and reset switch.

.4 Openings sealed to prevent moisture or dust penetration.

.5 Inspected by the Electrical Safety Authority.

.6 Panel uses CSA approved parts and been constructed, inspected and installed by a licensed electrician.

.7 Provide one Ground Fault Panel for each 5,000 square feet (500 square metres) of Abatement Work Area.

.8 HEPA Filtered Negative Pressure Machine: Portable air handling system which extracts air directly from the Abatement Work Area and discharges the air to the exterior of the building. Equipped as follows:

.1 Prefilter and HEPA filter. Air must pass HEPA filter before discharge.

.2 Pressure differential gauge to monitor filter loading.

.3 Auto shut off and warning system for HEPA filter failure.

.4 Separate hold down clamps to retain HEPA filter in place during change of prefilter.

.9 HEPA Vacuum: Vacuum with necessary fittings, tools and attachments. Discharged air must pass through a HEPA filter.

.10 Hose: Leak-proof, minimum busting strength of 500 PSI or greater if required, abrasion resistant covering, reinforcing, and machined-brass couplings. Maintained and tested. Hose to be temperature resistant if it is to carry domestic hot water.

.11 Lead Waste Container: An impermeable container acceptable to disposal site and Ministry of the Environment, that is:

.1 Dust tight.

.2 Suitable for the type of waste.

.3 Evaluated for leachable lead content, and disposed of in accordance with applicable regulations.

.1 Where lead waste exceeds 5.0 mg/L of lead in the TCLP analysis, label as lead waste and dispose of as leachate toxic hazardous waste.

.2 Where lead waste is below 5.0 mg/L of lead in the TCLP analysis, disposed of as construction waste.

.12 OSB: Oriented Strand Board.

.13 Polyethylene Sheeting: 6 mil (0.15 mm) minimum thickness unless otherwise specified, in sheet size to minimize joints.: 6 mil (0.15 mm) minimum thickness unless otherwise specified, in sheet size to minimize joints.

.14 Post Removal Sealant (or Lockdown): Sealant that when applied to surfaces serves the function of trapping residual asbestos fibres or other dust. Product must have flame spread and smoke development ratings both less than 50. Product shall leave no stain when dry. Post Removal Sealant shall be compatible with replacement insulation or fireproofing where required and capable of withstanding service temperature of substrate. Apply to manufacturer's instructions.

.15 Protective Clothing: Disposable coveralls complete with head covering and full body covering that fits snugly at the ankles, wrists and neck.

.16 Rip-Proof Polyethylene Sheeting: 8 mil (0.20 mm) fabric made up from 5 mil (0.13 mm) weave and two (2) layers of 1.5 mil (0.05 mm) poly laminate or approved equal. In sheet size to minimize on-site seams and overlaps.

.17 Sprayer: Garden type portable manual sprayer or water hose with spray attachment if suitable.

.18 Tape: Duct tape or tape suitable for sealing polyethylene to surfaces under both dry and wet conditions in the presence of Amended Water.

.19 Wetting Agent: Non-sudsing surfactant added to water to reduce surface tension and increase wetting ability.

PART 3 EXECUTION

.1 Refer to the Sections identified in Related Work for specified procedures for work area preparation, maintenance, site dismantlement, application of lock-down agent and all other procedures for the safe handling, removal and clean-up of hazardous materials specific to each phase or work area.

END OF SECTION

PART 1 GENERAL

1.1 General and Related Work

.1 Read this Section in conjunction with all drawings and all other Sections so as to comply with the requirements of the General Conditions of the Contract.

.2 Requirements specified elsewhere:

.1 Section 02 81 00 Hazardous Materials – General Provisions

1.2 Outline of Work

.1 Refer to Section 02 81 00 Hazardous Materials – General Provisions for the Outline of Work.

.2 The intent of this Section is to provide safe work practices and procedures to govern the handling, removal, clean-up and disposal of asbestos-containing materials following Type 2 or Moderate Risk procedures, and Pinchin and Owner specific requirements.

1.3 Personal Protection

.1 Protect all personnel at all times when possibility of disturbance of ACM exists.

.2 Provide the following minimum respiratory protection to all personnel:

.1 Full face respirators with P100 high efficiency (HEPA) cartridge filters, for:

.1 Removal of all or part of a ceiling if asbestos is likely lying on the surface.

.2 Use of a HEPA filtered power tool on non-friable ACM if the material is not wetted.

.2 Non-powered half-face respirators with P100 high efficiency (HEPA) cartridge filters.

.3 Provide protective clothing, to all personnel entering the Abatement Work Area.

.4 Wear hard hats, safety shoes and other personal protective equipment required by applicable construction safety regulations.

1.4 Inspections

.1 Refer to Section 02 81 00 – General Provisions.

.2 The following Milestone Inspections are to be scheduled:

.1 Milestone Inspection - Clean Site Preparation

.2 Milestone Inspection – Bulk Removal Inspection

.3 Milestone Inspection - Visual Clearance

PART 2 PRODUCTS AND FACILITIES

.1 Refer to Section 02 81 00.

2.2 Hoarding Walls

.1 Type A Hoarding Wall: One layer of rip-proof polyethylene sheeting installed floor to ceiling, secured with telescopic poles, clips, or other suitable methods.

.2 Windows: Install sufficient transparent windows area in hoarding walls to allow observation of entire work area from outside the enclosure where existing solid walls do not make up the perimeter.

2.3 Transfer Room

.1 Transfer Room to be generally 2000 mm x 2000 mm x 2200 mm high. Increase size accordingly to accommodate number of workers.

.2 Install walls as follows:

.1 Install 38 x 89 mm wood framing at 610 mm o/c with continuous top and sill plates.

.2 Install one layer rip-proof polyethylene sheeting on interior walls of Transfer Room.

.3 Install one layer of rip-proof polyethylene sheeting over one layer of 6 mil polyethylene sheeting beneath entire Transfer Room.

.4 Install one layer rip-proof polyethylene sheeting over roof.

.5 Turn 600 mm of polyethylene down the sides over polyethylene on the perimeter walls.

.6 Install a fire extinguisher, mount to wall.

2.4 Curtained Doorways

.1 Construct as follows:

.1 Install two flap doors, full width and height of door opening at all doors to Abatement Work Area and both ends of Transfer Room.

.2 Construct each flap door of two layers of polyethylene sheeting with all edges reinforced with tape. Use wood strapping to securely fasten flap doors to head and alternate jambs.

.3 Install weights attached to bottom edge of each door flap.

.4 Provide direction arrows on flaps to indicate opening.

PART 3 EXECUTION

3.1 Site Preparation - General

.1 Remove stored or non-fixed items from the Abatement Work Area including but not limited to equipment, furniture, waste etc. Store in area provided by Owner.

.2 Moving of equipment, tools, supplies, and stored materials that can be performed without disturbing ACM will be performed by others.

.3 Remove visible dust and friable material from all surfaces in the work area including those to be worked on, using HEPA Vacuums or wet wiping.

.4 Isolate, at panel, and disconnect existing power supply to Abatement Work Area. Power supply to remaining areas of building must not be disrupted during work of this section.

.1 Lock-out/tag-out power at electrical panels.

.2 Mark/tag any items within or passing through the Abatement Work Area that are to remain live including but not limited to cable, conduit, wire, fixtures, equipment panels, etc.

.5 Provide power from ground fault interrupt circuits.

.6 Shut down HVAC systems serving the Abatement Work Area.

.1 Install polyethylene sheeting over openings in ducts and diffusers and seal.

.2 HVAC to remaining areas of building must not be disrupted during work of this section.

.3 System shall remain inoperative until completion of work, unless ducts can be effectively capped.

.4 Perform work at scheduled times after shutting down HVAC systems affecting the Abatement Work Area.

.7 Provide amended water for wetting ACM, and adequate method of wetting (garden sprayers, airless sprayers, etc).

3.2 Site Preparation –Enclosure Required

.1 Install polyethylene enclosure complete with Windows at Abatement Work Areas for the work identified in Section 02 81 00 – General Provisions.

.2 Install Transfer Room where duration of work is to last longer than one 8 hour shift.

.3 Seal openings in floor using tape, polyethylene, etc. Floor openings are to be sealed independently prior to installation of floor polyethylene.

.4 Install polyethylene sheeting on floors of Abatement Work Area. Use sufficient layers to provide adequate protection for carpeting and equipment.

.1 Minimum requirement over carpet is one layer of 6 mil polyethylene under one layer of rip-proof polyethylene.

.2 Cover floors first so that polyethylene on walls is overlapped by at least 305 mm.

.5 Construct Hoarding Walls between Abatement Work Area perimeter and occupied areas.

.6 Install polyethylene sheeting at openings in walls (as required) and seal.

.7 Install 6 mil polyethylene sheeting on walls within the Abatement Work Area., including existing walls that make up, or are within, the Abatement Work Area.

.8 Provide a completely sealed polyethylene top for free standing enclosures.

.9 Extend to underside of ceiling system, enclosures for access into ceilings. Enclosure may be supported from the ceiling system if ceiling can support the polyethylene.

.10 Install Curtained Doorways.

.11 Install one layer of 6 mil polyethylene sheeting so as to protect all equipment and finishes in the Abatement Work Area that may be damaged. Items to remain include but are not limited to:

.1 Millwork.

.2 Doors.

.3 Bulkheads.

.4 Toilet Partitions.

.5 Plumbing Fixtures.

.6 Electrical Equipment.

.7 Mechanical Equipment.

.12 Install temporary lighting in enclosure to a level that will provide for safe and efficient use of work area - minimum 550 LUX.

.13 Establish negative pressure in Abatement Work Areas as follows:

.1 Provide sufficient HEPA filtered negative pressure machines to exchange a volume of air equivalent to that of the Abatement Work Area a minimum of every 20 minutes.

.2 Provide additional HEPA filtered negative pressure machines as required to ensure air flow from Occupied Area into Abatement Work Area.

.3 Arrange negative air units to maximize the distance between units and decontamination facilities.

.4 Provide weighted flaps in perimeter Hoarding Walls as necessary to provide make-up air.

.5 Operate HEPA filtered negative pressure machines continuously from first disturbance of ACM until completion of dismantling.

.6 Replace prefilters to maintain specified flow rate.

.7 Replace HEPA filter as required to maintain flow rate and integrity of unit.

.8 Discharge HEPA filtered negative air machines as follows:

.1 To building exterior.

.1 Remove existing glazing where necessary and replace with a 19 mm plywood panel.

.2 Install panel securely in window frame so that it cannot be pushed into the building and make weather-tight with caulking.

.3 For each negative pressure unit, provide a 300 mm diameter, screened, duct opening through panel.

.4 Direct discharge away from building access points.

.5 Reinstall glazing to match existing upon completion of work.

.2 Into Occupied Areas as required.

.1 Install and make airtight all negative air discharge ducting.

.2 Use metal reinforced polyethylene discharge ducting in locations where the ducting must be protected from damage or collapse.

.14 Place required tools to complete the abatement with the Abatement Work Area.

.15 Install Signage in clearly visible locations and in sufficient numbers to adequately warn of an asbestos dust hazard.

3.3 Maintenance of Abatement Work Area

.1 Inspect polyethylene sheeting and ensure it is effectively sealed and taped. Repair damage and remedy defects immediately.

.2 Inspect electrical panels and ensure locks and tags are on panels prior to entering the Abatement Work Area.

.3 Inspect HEPA filtered negative pressure machines including discharge ducting at the beginning and end of each working period. Inspection must be performed by competent person.

.4 Maintain Abatement Work Area in tidy condition.

.5 Remove standing water on polyethylene/floor at the end of every shift.

.6 Turn off water supply to any hoses and reduce pressure in hose, prior to leaving the Abatement Work Area at end of shift.

3.4 Asbestos Removal - General

.1 Do not use compressed air to clean or remove dust or debris.

.2 Frequently and at regular intervals during the work, clean up dust and waste using HEPA vacuums and/or wet sweeping or mopping.

.3 Frequently and at regular intervals, place all waste in asbestos waste containers.

.4 Immediately upon completion of work, clean area with HEPA vacuum and/or wet sweeping or mopping.

3.5 Asbestos Removal – Thermal Systems Insulation (less than 1 Square Metre)

.1 Construct an enclosure around Abatement Work Area and use the procedures described above under *Site Preparation –Enclosure Required*.

.2 Adequately wet exterior of the ACM with amended water to suppress dust.

.3 Remove asbestos-containing mechanical insulations in layers, maintaining all exposed surfaces of insulation in a wet condition.

.4 Remove wetted ACM directly into waste containers. Do not allow ACM to fall to the floor of the Abatement Work Area.

.5 Clean all surfaces from which ACM has been removed with scouring pads, vacuuming or wet-sponging to remove all visible material after completion of removal of ACM.

.6 Remove visible dust and debris.

.7 Seal exposed ends of asbestos-containing insulation to remain, with canvas and lagging.

.8 HEPA vacuum or wet clean entire Abatement Work Area, including any surfaces not covered with polyethylene sheeting. Any materials removed to access ACM that are to be re-used, and any abatement equipment, must be wet cleaned or HEPA vacuumed prior to completion.

.9 Apply Post Removal Sealant to all surfaces within the Abatement Work Area including those from which ACM has been removed.

3.6 Asbestos Removal - Dust and Debris

.1 Use the procedures described above under *Site Preparation – No Enclosure Required*.

.2 Remove visible dust and debris from Abatement Work Area using HEPA vacuums or wet cleaning methods.

3.7 Application of Post Removal Sealant

.1 Apply one coat of Post Removal Sealant with an airless sprayer, in accordance with Manufacturer's Instructions, to cover all surfaces on all items in the Abatement Work Area, including but not limited to polyethylene, ACM substrate, structural steel, and surfaces scheduled for demolition.

.2 Do not apply post removal sealant to materials that will be damaged by its application.

3.8 Abatement Work Area Dismantling

.1 Wash or HEPA vacuum equipment and tools used in contaminated Abatement Work Area to remove all asbestos contamination, or place in Asbestos Waste Containers prior to being removed from Abatement Work Area.

.2 Place tools and equipment used in contaminated work site but not cleaned in polyethylene bags prior to removal from Abatement Work Area.

.3 Clean polyethylene sheeting and drop sheets which with HEPA vacuum or wet cleaning methods at completion of work.

.4 Wet drop sheets and polyethylene sheeting.

.5 Carefully roll polyethylene sheeting and drop sheets toward the centre of enclosure. As polyethylene is rolled away, immediately remove visible debris beneath with a HEPA vacuum.

.6 Remove remaining polyethylene sheeting and tape, and dispose of as asbestos waste.

.7 Place polyethylene sheeting, drop sheets, tape, disposal clothing and other contaminated waste in asbestos waste containers, wet wipe and place in second asbestos waste container.

.8 Remove remaining site isolation, seals, tape, etc.

.9 Remove Transfer Room.

.10 Remove seals, tape, Signage etc.

.11 Immediately upon shutting down negative air units, seal air inlet grill and exhaust vent with polyethylene and tape.

.12 Seal openings in HEPA vacuums.

.13 Remove and dispose of the pre-filters from HEPA filtered negative pressure machines as asbestos waste.

.14 Remove HEPA filtered negative pressure machines and discharge ducting or HEPA vacuums.

.15 Remove temporary lights.

.16 Remove ground fault panels.

.17 Place contaminated materials including polyethylene sheeting, drop sheets, seals, tape, disposable coveralls, and other contaminated waste in asbestos waste containers.

3.9 Waste and Material Handling

.1 Refer to Section 02 81 00.

3.10 Re-Establishment of Items

.1 Upon completion of work:

.1 Move items that were removed from Abatement Work Area prior to work, back into same location within Abatement Work Area.

.2 Remove and disconnect Ground fault Panel, tags and locks from electrical panels and re-energize equipment and items.

.3 Remove hose bibs installed and repair pipe.

.4 Remove negative air discharge panel and reinstall glazing to match existing.

.5 Clean, mop and vacuum Abatement Work Area and area beneath Decontamination Facilities.

.6 Enable building air handling systems.

END OF SECTION

PART 1 GENERAL

1.1 General and Related Work

.1 Read this Section in conjunction with all drawings and all other Sections so as to comply with the requirements of the General Conditions of the Contract.

.2 Requirements specified elsewhere:

.1 Section 02 81 00 Hazardous Materials – General Provisions

1.2 Outline of Work

.1 Refer to Section 02 81 00 Hazardous Materials – General Provisions for the Outline of Work.

.2 The intent of this Section is to provide safe work practices and procedures to govern the handling, removal, clean-up and disposal of asbestos-containing materials following Glove Bag procedures, and Pinchin and Owner specific requirements.

.3 If for reasons of pipe temperature, geometry or access, Glove Bag procedures cannot be used, remove and dispose of asbestos-containing insulations as per Section 02 82 11 for less than 1 square meter, or following Type 3 procedures in accordance with Ontario Regulation 278/05 for greater than 1 square metre.

1.3 Personal Protection

.1 Protect all personnel at all times when possibility of disturbance of ACM exists.

.2 Provide the following minimum respiratory protection to all personnel:

.1 Non-powered half-face respirators with P100 high efficiency (HEPA) cartridge filters.

.3 Provide protective clothing, to all personnel entering the Abatement Work Area.

.4 Wear hard hats, safety shoes and other personal protective equipment required by applicable construction safety regulations.

1.4 Inspections

.1 Refer to Section 02 81 00 – General Provisions.

.2 The following Milestone Inspections are to be scheduled:

.1 Milestone Inspection - Clean Site Preparation

.2 Milestone Inspection – Bulk Removal Inspection

.3 Milestone Inspection - Visual Clearance

PART 2 PRODUCTS AND FACILITIES

2.1 Materials and Equipment

.1 Refer to Section 02 81 00.

.2 Glove Bag: Prefabricated bag which provides a completely sealed envelope surrounding a given section of piping to permit the removal of asbestos-containing insulation from within the bag while maintaining the integrity of the bag and preventing the spread of airborne asbestos fibres. The glove bag shall be equipped with,

.1 sleeves and gloves that are permanently sealed to the body of the bag to allow the worker to access and deal with the insulation and maintain a sealed enclosure

throughout the work period,

.2 valves or openings to allow insertion of a vacuum hose and the nozzle of a water sprayer while maintaining the seal to the pipe, duct or similar structure,

.3 a tool pouch with a drain,

.4 a seamless bottom and a means of sealing off the lower portion of the bag, and

.5 a high strength double throw zipper and removable straps, if the bag is to be moved during the removal operation.

.3 Securing Straps: For some types of Glove Bag, reusable nylon straps at least 25mm wide with metal tightening buckle for sealing ends of bags around pipe and/or insulation.

PART 3 EXECUTION

3.1 Site Preparation - General

.1 Remove to the extent necessary to access piping, stored or non-fixed items from the Abatement Work Area including but not limited to equipment, furniture, waste etc. Store in area provided by Owner.

.2 Moving of equipment, tools, supplies, and stored materials that can be performed without disturbing ACM will be performed by others.

.3 Shut down HVAC systems serving the Abatement Work Area.

.1 Install polyethylene sheeting over openings in ducts and at diffusers and seal.

.2 HVAC to remaining areas of building must not be disrupted during work of this section.

.3 System shall remain inoperative until completion of work, unless ducts can be effectively capped.

.4 Perform work at scheduled times after shutting down HVAC systems affecting the Abatement Work Area.

.4 Install caution tape around work area where existing walls are not present.

.5 Install Signage in clearly visible locations and in sufficient numbers to adequately warn of an asbestos dust hazard.

.6 Remove visible dust and friable material from all surfaces in the work area including those to be worked on, using HEPA Vacuums or wet wiping.

.7 Cover walls, floors, finishes, millwork, equipment and furnishings below the pipe to be worked on in the Abatement Work Area with polyethylene sheets before disturbing ACM. Drop sheets shall extend a minimum of 1,800 mm from pipe.

.8 Use existing lighting or install temporary lighting to a level that will provide for safe and efficient use of work area - minimum 550 LUX.

.9 Provide Amended Water for wetting ACM, in garden sprayers. Provide one garden sprayer for each worker.

.10 Do not used compressed air to clean or remove and dust or debris when completing work of this section.

.11 Place HEPA Vacuum in Abatement Work Area for each worker.

.12 Place required tools to complete the abatement within the Abatement Work Area.

.13 Post Notice of Project, where required by O.Reg. 278/05.

3.2 Maintenance of Abatement Work Area

.1 Maintain Abatement Work Area in tidy condition.

3.3 Glove Bag Removal

.1 Do not use Glove Bags on hot pipes that may damage Glove Bag. Refer to manufacturer's limitations.

.2 Prior to use of Glove Bag on damaged or unjacketed insulation:

.1 Spray any areas of damaged insulation jacketing with mist of Amended Water.

.2 Tape over damaged insulation to provide temporary repair.

.3 Mist areas of insulation with no jacketing and wrap with polyethylene sheeting and seal with tape.

.3 Place any tools necessary to remove insulation in tool pouch built into Glove Bag.

.4 Inspect the Glove Bag for damage and defects immediately before it is attached to the pipe or duct.

.1 If damage or defects are observed, dispose of Glove Bag.

.5 Install Glove Bag as per manufacturer's instructions.

.6 Remove metal jacketing or banding carefully. Do not damage the Glove Bag.

.7 Remove insulation from pipe as per manufacturer's directions.

.1 Volume and weight of insulation must not exceed capacity of the Glove Bag or supports.

.2 Arrange insulation in the Glove Bag to maximize use of the Glove Bag.

.8 Only glove bags designed to be moved may be re-used on other sections of pipe or moved down same section of pipe (e.g. Safe-T-Strip).

.9 At regular intervals during its use, if damage or defects are observed during the use of the Glove Bag, which cannot be readily repaired with tape and not affect the integrity or strength of the glove bag.

.1 Discontinue use of Glove Bag.

.2 Wash inner surface of Glove Bag.

.3 Wet insulation.

.4 Pull an Asbestos Waste Container over Glove Bag before removing from pipe.

.5 Remove Glove Bag and Asbestos Waste Container, seal with tape.

.6 Place in a second Asbestos Waste Container and seal with tape.

.7 Clean immediate area with a HEPA Vacuum prior to resuming work.

.10 If bag is to be moved along pipe for use on adjacent section of insulation:

.1 Wash inner surface of Glove Bag.

.2 Wash tools and place tools in pouch.

.3 Wet surface of insulation in lower section of bag and any exposed end of asbestos insulation remaining on pipe with Amended Water.

.4 Insert nozzle of HEPA filtered vacuum cleaner into bag through valve and evacuate air from bag.

.5 Seal closure strip.

.6 Loosen securing straps to maintain a loose seal of Glove Bag to insulation or pipe.

.7 Use double throw zipper as necessary to pass hangers.

.8 Tighten straps once bag is in new position and continue insulation removal until Glove Bag is full, work is completed on the pipe or an obstruction prevents further movement of the bag.

.11 If bag is to be removed from a pipe for use on a new section of pipe, perform the following:

.1 Wash inner surface of Glove Bag.

.2 Wash tools and place tools in pouch.

.3 Wet surface of insulation in lower section of bag and any exposed end of asbestos insulation remaining on pipe with Amended Water.

.4 Insert nozzle of HEPA filtered vacuum cleaner into bag through valve and evacuate air from bag.

.5 Seal valve cover on valve Glove Bags.

.6 Seal closure strip.

.7 Wash top section of Glove Bag and tool pouch thoroughly.

.8 Undo securing straps, unfasten zipper and carefully move bag to new section of pipe.

.12 To remove bag after completion of insulation removal operation:

.1 Wash inner surface of Glove Bag.

.2 Wash and place all tools in one hand (glove), pull hand out inverted, twist to create a separate pouch, tape inverted hand at two separate locations 25 mm apart so as to seal pouch.

.1 Remove inverted hand and tools by cutting between the two tape seals.

.2 Place inverted hand pouch and tools into the next clean Glove Bag to be used or into a water bucket, open pouch underwater and clean tools.

.3 Wet surface of insulation in lower section of bag and any exposed end of asbestos insulation remaining on pipe with Amended Water.

.4 Insert nozzle of HEPA filtered vacuum cleaner into bag through valve and evacuate air from bag.

.5 Seal valve cover on valve Glove Bags.

.6 Seal closure strip if equipped with one. Twist bag at tapered point and secure with tape.

.7 Pull an Asbestos Waste Container over Glove Bag before removing from pipe.

.1 Undo straps and unzipper, or cut upper portion of single-use Glove Bag.

.2 Seal Asbestos Waste Container with tape.

.8 Ensure pipe is clean of all residue after removal of Glove Bag. If necessary, after removal of each section of asbestos, vacuum all surfaces of pipe, using HEPA vacuum or wipe with wet cloth.

.13 Seal all surfaces of freshly-exposed pipe with Post Removal Sealer.

.14 Cover exposed ends of any remaining asbestos insulation with canvas and lagging using

Type 2 Procedures.

3.4 Clean-Up and Dismantling

.1 Clean and remove from Abatement Work Area:

.1 Equipment and tools.

.2 Temporary lighting if used.

.3 Polyethylene seals from HVAC systems.

.2 Place polyethylene sheeting, drop sheets, seals, tape, clothing and other contaminated waste in asbestos waste containers, wet wipe and place in second asbestos waste container.

.3 Clean Abatement Work Area with HEPA vacuums or wet wiping/mopping.

.4 Seal openings in HEPA vacuums.

.5 Proceed with the dismantlement of all barricades, etc. following receipt of authorization to proceed from the Asbestos Abatement Consultant.

.6 Remove barricades, fencing, caution tape, signs, etc.

3.5 Waste and Material Handling

.1 Refer to Section 02 81 00.

3.6 Re-Establishment of Items

.1 Upon completion of work:

.1 Move all items that were removed from Abatement Work Area prior to work, back into same location within Abatement Work Area.

.2 Remove tags and locks from electrical panels and re-energize equipment and items.

.3 Enable building air handling systems.

.4 Clean and vacuum Abatement Work Area.

END OF SECTION

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PART 1 GENERAL

.1 Read this Section in conjunction with all drawings and all other Sections so as to comply with the requirements of the General Conditions of the Contract.

.2 Requirements specified elsewhere:

.1 Section 02 81 00 Hazardous Materials – General Provisions

1.2 Outline of Work

.1 Refer to Section 02 81 00 Hazardous Materials – General Provisions for the Outline of Work.

.2 The intent of this Section is to provide safe work practices and procedures to govern the handling, removal, clean-up and disposal of lead-containing materials following Class 1 or Low Risk procedures, and Pinchin and Owner specific requirements.

.3 Comply with requirements of this Section when performing following Work:

.1 Removal of lead-containing surface coatings with a chemical gel, stripper or paste.

.2 Removal of materials coating with lead-containing surface coatings, using non-powered hand tools, where the materials remains primarily intact, and is not crumbled, pulverized or powdered.

.3 Installation or removal of batteries in emergency lighting.

1.3 Instruction and Training

.1 Provide instruction and training to all workers including the following:

.1 Hazards of lead.

.2 Use, care and disposal of protective equipment (including but not limited to respirators and filters) and clothing that would be used and worn during abatement work, including:

.1 Limitations of equipment.

.2 Inspection and maintenance of equipment.

.3 Proper fitting of equipment.

.4 Disinfecting and cleaning of equipment.

.3 Personal hygiene to be observed when performing the work.

.4 The measures and procedures prescribed by this section including decontamination of the worker.

.5 Instruction and training must be provided by a competent person.

1.4 Personal Protection

.1 Provide non-powered half-face respirators with P100 high efficiency cartridge filters when requested by personnel.

.2 Provide protective clothing, when requested by personnel, entering the Abatement Work Area, including:

.1 Disposable protective clothing that does not readily retain or permit skin contamination, consisting of full body covering including head covering with snug fitting cuffs at wrists, ankles, and neck.

.3 Provide protective clothing, to all personnel entering the Abatement Work Area, including:

.1 Dust impermeable gloves appropriate for the work being completed.

.4 Wear hard hats, safety shoes and other personal protective equipment required by applicable construction safety regulations.

.5 Lead-specific soaps and hygiene indicators are recommended to be provided for shower and hand-wash stations.

1.5 Inspections

.1 Refer to Inspections in Section 02 81 00 – General Provisions.

.2 The following Milestone Inspections are to be scheduled:

.1 Milestone Inspection - Clean Site Preparation

.2 Milestone Inspection – Bulk Removal Inspection

.3 Milestone Inspection - Visual Clearance

PART 2 PRODUCTS AND FACILITIES

.1 Refer to Section 02 81 00.

PART 3 EXECUTION

3.1 Site Preparation - General

.1 Provide washing facilities consisting of a wash basin, clean water, soap and towels.

.1 Workers are to use washing facilities each time leaving the Abatement Work Area.

.2 Stored or non-fixed items, including but not limited to equipment, furniture, waste etc., shall be removed from the Abatement Work Area prior to abatement work.

.3 Remove visible dust from all surfaces in the work area including those to be worked on, using HEPA Vacuums or wet wiping.

.4 Provide amended water for wetting materials, and adequate method of wetting (garden sprayers, airless sprayers, etc.).

.5 Do not use compressed air to clean or remove dust or debris.

.6 Frequently and at regular intervals during the work, clean up dust and waste using HEPA vacuums and/or wet sweeping or mopping.

.7 Frequently and at regular intervals, place all waste in waste containers.

.8 Immediately upon completion of work, clean area with HEPA vacuum and/or wet sweeping or mopping.

3.2 Site Preparation – No Enclosure Required

.1 Isolate Abatement Work Area with barrier tape.

.2 Protect floor surfaces covered from wall to wall with polyethylene sheets.

.3 Maintain Abatement Work Area in tidy condition.

.4 Remove waste and debris frequently.

.5 Remove standing water on polyethylene/floor at the end of every shift.

.6 Turn off water supply to hoses and reduce pressure in hose, prior to leaving the Abatement Work Area at end of shift.

3.3 Lead-Containing Paint Abatement

.1 Removal methods minimizing dust generation should be used wherever possible.

.1 Wet methods are to be used to reduce dust generation.

.2 Wetting agents should be used where possible.

.3 Wet methods are not to be used if it creates a hazard or cause damage to equipment or to project.

.2 Provide drop sheets below all lead operations that may produce dust, chips or debris containing lead.

.3 Waste water from cleaning or removal operations must be contained, for treatment or disposal.

.4 Remove lead-containing paint in small sections and pack as it is being removed in sealable lead waste containers.

.5 Follow manufacturer's instructions for all use of chemical gels, strippers and pastes.

.1 Ensure agent neutralizers, were required, are applied.

.2 Do not use chemical gels, strippers or pastes on surfaces where they are scheduled to be repainted, and the material affect the new paint application.

.6 After completion of stripping work, wire brush and wet sponge surface from which lead based paint has been removed to remove visible material. During this work keep surfaces wet.

.7 After wire brushing and wet sponging to remove visible lead-containing paint, wet clean entire work area, and equipment used in process.

.1 Compressed air or dry sweeping not be used to clean up lead-containing dust or waste.

.2 Ensure all waste is cleaned and packaged.

.8 Seal filled containers. Clean external surfaces thoroughly by wet sponging. Remove from immediate working area to staging area. Clean external surfaces thoroughly again by wet sponging. Wash containers thoroughly pending removal to outside.

3.4 Bulk Lead Removal

.1 Lead-containing batteries should be removed, and recycled in appropriate programs.

3.5 Waste Management and Disposal

.1 Per Section 02 81 00.

3.6 Final Cleaning

.1 Remove polyethylene sheet by rolling it away from walls to centre of work area. Vacuum visible lead containing particles observed during cleanup, immediately, using HEPA vacuum.

.2 Place polyethylene sheets, tape, cleaning material, clothing, and contaminated waste in plastic bags and sealed labelled waste containers for transport.

.3 Conduct final check to ensure no dust or debris remains on surfaces as result of dismantling operations.

END OF SECTION

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PART 1 GENERAL

.1 Read this Section in conjunction with all drawings and all other Sections so as to comply with the requirements of the General Conditions of the Contract.

.2 Requirements specified elsewhere:

.1 Section 02 81 00 Hazardous Materials – General Provisions

1.2 Outline of Work

.1 Refer to Section 02 81 00 Hazardous Materials – General Provisions for the Outline of Work.

.2 The intent of this Section is to provide safe work practices and procedures to govern the handling, removal, clean-up and disposal of lead-containing materials following Class 2 or Moderate Risk procedures, and Pinchin and Owner specific requirements.

.3 Comply with requirements of this Section when performing following Work:

.1 Removal of lead containing paint using power tools with an effective dust collection system equipped with HEPA filter.

.2 Removal of lead-containing surface coatings or materials by scraping or sanding (including wet sanding) using non-powered hand tools.

.3 Demolition of plaster or other building components that crumble, pulverize or powder and are covered with lead-containing surface coating.

1.3 Instruction and Training

.1 Provide instruction and training to all workers including the following:

.1 Hazards of lead.

.2 Use, care and disposal of protective equipment (including but not limited to respirators and filters) and clothing that would be used and worn during abatement work, including:

.1 Limitations of equipment.

.2 Inspection and maintenance of equipment.

.3 Proper fitting of equipment.

.4 Disinfecting and cleaning of equipment.

.3 Personal hygiene to be observed when performing the work.

.4 The measures and procedures prescribed by this section including decontamination of the worker.

.5 Instruction and training must be provided by a competent person.

1.4 Personal Protection

.1 Provide the following respiratory protection to all personnel, at minimum:

.1 Non-powered half-face respirators with P100 high efficiency cartridge filters.

.2 Provide protective clothing, to all personnel entering the Abatement Work Area, including:

.1 Dust impermeable gloves appropriate for the work being completed.

.2 Disposable protective clothing that does not readily retain or permit skin contamination, consisting of full body covering including head covering with snug fitting cuffs at wrists, ankles, and neck.

.3 Provide protective clothing, to all personnel entering the Abatement Work Area.

.4 Wear hard hats, safety shoes and other personal protective equipment required by applicable construction safety regulations.

.5 Lead-specific soaps and hygiene indicators are recommended to be provided for shower and hand-wash stations.

1.5 Inspections

.1 Refer to Inspections in Section 02 81 00 – General Provisions.

.2 The following Milestone Inspections are to be scheduled:

.1 Milestone Inspection - Clean Site Preparation

.2 Milestone Inspection – Bulk Removal Inspection

.3 Milestone Inspection - Visual Clearance

PART 2 PRODUCTS AND FACILITIES

.1 Refer to Section 02 81 00.

2.2 Hoarding Walls

.1 Type A Hoarding Wall: One layer of rip-proof polyethylene sheeting installed floor to ceiling, secured with telescopic poles, clips, or other suitable methods.

2.3 Transfer Room

.1 Install vented wood door in wood frame at doorway to Occupied Area. Door must have locking passage set. Provide two keys to Abatement Consultant and one to Owner.

.2 Transfer Room to be generally 2000 mm x 2000 mm x 2200 mm high. Increase size accordingly to accommodate number of workers.

.3 Install walls as follows:

.1 Install 38 x 89 mm wood framing at 610 mm o/c with continuous top and sill plates.

.2 Install one layer rip-proof polyethylene sheeting on interior walls of Transfer Room.

.4 Install one layer of rip-proof polyethylene sheeting over two layers of 6 mil polyethylene sheeting beneath entire Transfer Room.

.5 Install one layer rip-proof polyethylene sheeting over roof.

.6 Turn 600 mm of polyethylene down the sides over polyethylene on the perimeter walls.

.7 Install a fire extinguisher, mount to wall.

2.4 Curtained Doorways

.1 Construct as follows:

.1 Install two flap doors, full width and height of door opening at all doors to Abatement Work Area and both ends of Transfer Room.

.2 Construct each flap door of two layers of polyethylene sheeting with all edges reinforced with tape. Use wood strapping to securely fasten flap doors to head and alternate jambs.

.3 Install weights attached to bottom edge of each door flap.

.4 Provide direction arrows on flaps to indicate opening.

PART 3 EXECUTION

3.1 Site Preparation - General

.1 Provide washing facilities consisting of a wash basin, clean water, soap and towels.

.1 Workers are to use washing facilities each time leaving the Abatement Work Area.

.2 Stored or non-fixed items, including but not limited to equipment, furniture, waste etc., shall be removed from the Abatement Work Area prior to abatement work.

.3 Isolate, at panel, and disconnect existing power supply to Abatement Work Area. Power supply to remaining areas of building must not be disrupted during work of this section.

.1 Lock-out/tag-out power at electrical panels.

.2 Mark/tag any items within or passing through the Abatement Work Area that are to remain live including but not limited to cable, conduit, wire, fixtures, equipment panels, etc.

.4 Shut down HVAC systems serving the Abatement Work Area.

.1 Install polyethylene sheeting over openings in ducts and diffusers and seal.

.2 HVAC to remaining areas of building must not be disrupted during work of this section.

.3 System shall remain inoperative until completion of work, unless ducts can be effectively capped.

.4 Perform work at scheduled times after shutting down HVAC systems affecting the Abatement Work Area.

.5 Remove visible dust from all surfaces in the work area including those to be worked on, using HEPA Vacuums or wet wiping.

.6 Provide amended water for wetting materials, and adequate method of wetting (garden sprayers, airless sprayers, etc.).

.7 Provide electrical power and shut off for operation of powered tools and equipment. Provide ground fault interrupter circuits on power source for electrical tools, in accordance with applicable CSA Standard.

.1 Ensure safe installation of electrical lines and equipment.

.8 Do not use compressed air to clean or remove dust or debris.

.9 Frequently and at regular intervals during the work, clean up dust and waste using HEPA vacuums and/or wet sweeping or mopping.

.10 Frequently and at regular intervals, place all waste in waste containers.

.11 Immediately upon completion of work, clean area with HEPA vacuum and/or wet sweeping or mopping.

3.2 Site Preparation – Enclosure Required

.1 Install Transfer Room where duration of work is to last longer than one 8 hour shift.

.2 Install Curtained Doorways.

.3 Install polyethylene sheeting at openings in walls (as required) and seal.

.4 Seal openings in floor using tape, caulking, polyethylene, etc. Floor openings are to be sealed independently prior to installation of floor polyethylene.

.5 Install polyethylene sheeting on floors of Abatement Work Area. Use sufficient layers to provide adequate protection for carpeting and equipment.

.1 Cover floors first so that polyethylene on walls is overlapped by at least 305 mm.

.6 Install 6 mil polyethylene sheeting on walls to remain, within the Abatement Work Area., including existing walls that make up, or are within, the Abatement Work Area.

.7 Install one layer of 6 mil polyethylene sheeting so as to protect all equipment and finishes in the Abatement Work Area that may be damaged.

.8 Place required tools to complete the abatement with the Abatement Work Area.

.9 Install temporary lighting in enclosure to a level that will provide for safe and efficient use of work area - minimum 550 LUX.

.10 Establish negative pressure in Abatement Work Areas as follows:

.1 Provide sufficient HEPA filtered negative pressure machines to exchange a volume of air equivalent to that of the Abatement Work Area a minimum of every 20 minutes.

.2 Provide additional HEPA filtered negative pressure machines as required to ensure air flow from Occupied Area into Abatement Work Area.

.3 Operate HEPA filtered negative pressure machines continuously from first disturbance of ACM until completion of dismantling.

.4 Replace prefilters to maintain specified flow rate.

.5 Replace HEPA filter as required to maintain flow rate and integrity of unit.

.6 Discharge HEPA filtered negative air machines to building exterior, where possible.

.1 Direct discharge away from building access points.

.11 Install Signage in clearly visible locations and in sufficient numbers to adequately warn of lead hazard, and lead hazard where appropriate.

3.3 Site Preparation – No Enclosure Required

.1 Cover materials to remain in the Abatement Work Area with polyethylene sheeting before disturbing ACM to control the spread of dust.

.2 Install caution tape around work area where existing walls are not present.

.3 Install temporary lighting in enclosure to a level that will provide for safe and efficient use of work area - minimum 550 LUX.

.4 Place HEPA vacuum in Abatement Work Area.

.5 Place required tools to complete the abatement with the Abatement Work Area.

.6 Install Signage in clearly visible locations and in sufficient numbers to adequately warn of a lead dust hazard.

3.4 Maintenance of Abatement Work Area

.1 Inspect polyethylene sheeting and ensure it is effectively sealed and taped. Repair damage and remedy defects immediately.

.2 Inspect electrical panels and ensure locks and tags are on panels prior to entering the Abatement Work Area.

.3 Inspect HEPA filtered negative pressure machines including discharge ducting at the beginning and end of each working period. Inspection must be performed by competent person.

.4 Maintain Abatement Work Area in tidy condition.

.5 Remove standing water on polyethylene/floor at the end of every shift.

.6 Turn off water supply to any hoses and reduce pressure in hose, prior to leaving the Abatement Work Area at end of shift.

3.5 Lead Abatement

.1 Use the procedures described above under *Site Preparation – Enclosure Required*.

.1 Removal of lead-containing surface coatings or materials by scraping or sanding (including wet sanding) using non-powered hand tools.

.2 Demolition of plaster or other building components that crumble, pulverize or powder and are covered with lead-containing surface coating.

.2 Use the procedures described above under *Site Preparation – No Enclosure Required*.

.1 Removal of lead containing paint using power tools with an effective dust collection system equipped with HEPA filter.

.3 Provide washing facilities consisting of a wash basin, clean water, soap and towels.

.1 Workers are to use washing facilities each time leaving the Abatement Work Area.

.4 Removal methods minimizing dust generation should be used wherever possible.

.1 Wet methods are to be used to reduce dust generation.

.1 Wetting agents should be used where possible.

.2 Wet method not be used if it creates a hazard or cause damage to equipment or to project.

.5 Provide drop sheets below all lead operations that may produce dust, chips or debris containing lead.

.6 Waste water from cleaning or removal operations must be contained, for treatment or disposal.

.7 Remove lead containing paint in small sections and pack as it is being removed in sealable waste containers.

.8 Waste generated should be maintained wet until cleaned and packaged.

.9 After completion of stripping work, wire brush and wet sponge surface from which lead based paint has been removed to remove visible material. During this work keep surfaces wet.

.10 After wire brushing and wet sponging to remove visible lead containing paint, wet clean entire work area, and equipment used in process.

.1 Compressed air or dry sweeping not be used to clean up lead-containing dust or waste.

.2 Ensure all waste is cleaned and packaged.

.11 Seal filled containers. Clean external surfaces thoroughly by wet sponging. Remove from immediate working area to staging area. Clean external surfaces thoroughly again by wet sponging. Wash containers thoroughly pending removal to outside. Ensure containers are removed by workers who have entered from uncontaminated areas dressed in clean coveralls.

3.6 Waste Management and Disposal

.1 Per Section 02 82 00.

3.7 Final Cleaning

.1 Following specified cleaning procedures, proceed with final cleanup.

.2 Remove polyethylene sheet by rolling it away from walls to centre of work area. Clean visible lead containing particles observed during cleanup, immediately, using HEPA vacuum.

.3 Place polyethylene sheets, tape, cleaning material, clothing, and contaminated waste in plastic bags and seal. Dispose of in accordance with waste materials generated.

.4 Clean Work areas and Transfer Room, where present.

.5 Remove sealed waste containers and equipment used in Work and remove from work areas at appropriate time in cleaning sequence.

.6 Conduct final check to ensure no dust or debris remain on surfaces as result of dismantling operations.

END OF SECTION