HWDSB

2026-139-P02226
RFT Richard Beasley Elementary School
Window Replacement

Addendum #1

Issued April 21, 2026

The following information changes the competitive process documents issued on April 9, 2026.

GENERAL INFORMATION

Item 1 See the following Hazardous Material Specifications issued by the Consultant

1. Section 02 81 00 Hazardous Materials – General Provisions (16 pages)
2. Section 02 82 00.01 Asbestos Abatement – Type 1 (Low Risk) Procedures (3 pages)
3. Section 02 82 00.02 Asbestos Abatement – Type 2 (Moderate Risk) Precautions (7 pages)
4. Section 02 82 10 Lead Abatement – Class 1 Procedures (3 pages)
5. Section 02 83 11 Lead Abatement – Class 2 Procedures (4 pages)

Item 2 See 'Hazardous Building Materials Assessment (Pre-construction) issued by Pinchin Ltd., dated April 15, 2026 (135 pages)

Item 3 See 'Electrical Specifications' issued by HCC Engineering Limited, dated April 20, 2026 (15 pages)

Item 4 See Electrical Drawings issued by the Consultant, dated April 20, 2026 (3 pages)

QUESTIONS AND RESPONSES

Q1 Could Windspec be added as an approved window supplier?

R1 Yes, Windspec is added as an approved window supplier.

Q2 Note 1 on drawing A301 states, All hollow metal doors and pressed steel frames are to receive paint finish. Please confirm if this is referring to new doors and frames only.

R2 Yes, all new hollow metal doors and pressed steel frames are to receive paint finish.

Q3 We could not locate a clear window schedule within the drawings. Could you please provide a complete schedule indicating window types, sizes, and quantities to ensure accurate pricing?

R3 Refer to drawing A901 for window types. Locations/ quantities indicated on floor plan, A202.

Q4 Mechanical drawings show window AC units. Can you confirm whether these units are to be reused, replaced, or relocated as part of this scope?

R4 Existing A/C units are to be removed, stored safely and reinstalled by the Successful Bidder as part of this Contract.

Q5 Please confirm if the project is to be completed in phases due to school occupancy, or if it is intended for a full summer shutdown period.

R5 Refer to Section 1.5 Project Schedule of the RFT Document. Construction/Work schedules must adhere to the Contract documents. The intent is to complete all Work within the summer of 2026.

Q6 The specifications reference potential asbestos-containing materials. Could you please share the ACM report and confirm whether any abatement work is included in this contract?

R6 Please see General Information Item 1 and Item 2 above.

Q7 We would appreciate clarification on the extent of masonry repairs around window openings, as this is not clearly defined.

R7 Regarding masonry repairs, any damage of existing masonry that is intended to remain shall be repaired to match existing conditions.

Q8 Can you confirm the extent of interior repairs? Should we allow for full wall repainting or only localized patching around window areas?

R8 Include full wall repainting of the walls where the new windows have been installed within the following rooms: entire East elevation wall in rooms 102, 103, 104, 105, 105A, 105C and 107 as well as entire West elevation wall in room 108. Include paint touch-ups only at all other new window locations including: 122B, 122C, 124, 125C, 125D, 128C, 128D, 129 and 131.

Q9 Roller shades are mentioned in the specifications; however, their locations and quantities are not clear. Please confirm if they are part of this contract.

R9 The supply and installation of new roller shades is part of this Contract and shall be completed by the Successful Bidder for all new window locations.

Q10 Please clarify requirements for temporary protection, including hoarding and weather protection during window removal.

R10 The Contractor is required to provide weather tight and secure hoarding for all window openings during the execution of the Work. The hoarding shall be constructed in such a way to protect the interior space from weather and prevent unauthorized entry into the school. It is the Contractor's responsibility to schedule demolition and installation tasks to complete the Work efficiently, safely and securely.

Q11 Please confirm if any modifications to existing mechanical systems (including window AC integration) are required as part of this work.

R11 Refer to Mechanical Drawings for scope of Work related to mechanical systems.

Q12 Regarding phenolic panels, cross section detail 3/A402 states this applies to Staffroom 120, however this callout is also shown on drawing A202 in classroom 125D, 128C, learning commons 131, and resource room 124. Does this mean phenolic panels are required at these locations as well or only where shown on the elevation drawings?

R12 BBA-Section 3/A402 is cut specifically at Staffroom 120 but a similar section is referenced at several locations on A202. This section applies to below all window types G04 & G06.

Q13 Please provide door hardware specifications, including make and model, for all specified items

R13 Use the following for door hardware:

.1 Hinges:	**Hager, BB1168-114X101**
.2 Closers:	**LCN, 4040XP series**
.3 Thresholds:	**KN Crowder, CT-65 threshold**
.4 Kickplate:	**Hager, 190S**
.5 Exit Device:	**Von Duprin, BE98L c/w RIM cylinder**
.6 Weather Stripping:	**KN Crowder, W17N**
.7 Door Sweep:	**KN Crowder W13S**

Q14 Can you Please provide contact information for the base-building BAS Contractor.

R14 **Siemens., Jake Rendulic, jake.rendulic@siemens.com**

Q15 can you Please provide contact information for the base-building Chemical Treatment Contractor.

R15 **Refer to *2026-139-P02226 Sample School Specific Info Sheet*.**

End of Addendum #1

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 00.01	Asbestos Abatement – Type 1 Procedures
.2	Section 02 82 00.02	Asbestos Abatement – Type 2 Procedures
.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. It is recommended each Contractor 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 and condition 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 (Preconstruction), Window Replacement Project, Richard Beasley Elementary School, 80 Currie Street, Hamilton, Ontario”, dated April 15, 2026, prepared by Pinchin Ltd., file number 368258.008.

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 and the Work Areas.

.3 Install Hoarding Walls between Abatement Work Areas and Occupied Areas as required.

.4 Using Type 1 procedures prescribed in the Section identified in Related Work, remove and dispose of the following:

.1 All window and door assemblies scheduled for removal, including windows, frames, spandrel panels, transite, flashing, sills, wood and associated components, and caulking.

.1 Remove all residual caulking from substrates.
.2 Windows with asbestos-containing butyl sealants to be disposed of entirely as asbestos waste.
.3 Doors to be disposed of entirely as asbestos waste due to presumed internal asbestos insulation.
.4 Remove transite panels where concealed behind wood, metal and stucco panels

.2 Caulking from Siporex structure where it will be affected by new installations.

.5 Using Type 2 procedures prescribed in the Sections identified in Related Work, remove and dispose of asbestos-containing parging cement on pipe elbows conceals within the radiator millwork.

.1 Follow Type 3 procedures in accordance with O.Reg. 278/05 if quantity exceeds $1 m^2$.

.6 Follow lead procedures prescribed in the Section identified in Related Work to remove exterior wood panels with white lead-containing paint.

.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 Protect surfaces, building fabrics and items remaining within the Abatement Work Area.

.9 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.

.10 Isolate the Abatement Work Area from adjoining Occupied and Non-Occupied Areas whether present at an interior or exterior location.

.11 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.

.12 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.

.13 Perform selective demolition of mechanical and electrical equipment, building components, materials and items scheduled for demolition at locations required to facilitate asbestos removal. Refer to all Contract Documents for responsibility of demolition work and disposal.

.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-containing materials 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.

.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.

.2 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. Refer to the Environmental Abatement Council of Canada (EACC) Performance Leak Testing Guideline for HEPA Filtered Equipment 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-containing: Paints containing lead at a concentration of 0.009% (90 ppm) or greater.

.17 Lead Waste: Waste generated from removal of lead-containing materials, or the substrate and paint finish where left intact.

.18 Milestone Site Review: Inspection of the Abatement Work Area at a defined point in the abatement operation.

.19 Negative Pressure: A reduced pressure within the Abatement Work Area (e.g., > 0.02 inches of water column) established by extracting air directly from Abatement Work Area and discharging it to exterior of building.

.20 Non-Friable Material: Material that when dry cannot be crumbled, pulverized or powdered by hand pressure.

.21 Occupied Area: Any area of the building or adjoining space outside the Abatement Work Area.

.22 Personnel: All Contractor's employees, sub-contractor's employees, supervisors.

.23 PCM: Phase Contrast Microscopy.

.24 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).

.25 Toxicity Characteristic Leachate Procedure (TCLP): Laboratory analysis to determine leachable parameters in lead waste.

.26 TEM: Transmission Electron Microscopy.

1.6 Regulations and Guidelines

.1 Comply with Federal, 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 and Guidelines 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 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 Canada (EACC), Lead Guideline For Construction, Renovation, Maintenance or Repair, January 2025.

.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).

.3 At all times during work, the Overall or 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.

1.10 Notification

.1 Before commencing work, notify orally and in writing, an inspector at the office of the Ontario Ministry of Labour 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 Provincial Workers' Compensation Board Clearance Certificate.

.2 Insurance certificates.

.3 Copy of Company Health and Safety Policy and applicable programs.

.4 Ministry of Labour Notice of Project and/or Notice of Asbestos Removal form.

.5 Copy of Certificate of Approval for disposal of hazardous materials waste and location of landfill.

.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 under the Ministry of Training, Colleges and Universities course 253S.

.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.

.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 N510-2007.

.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 Site Reviews

.1 From commencement of work until completion of clean-up operations, the Abatement Consultant is empowered by the Owner to review for compliance with the requirements of governing authorities, adherence to specified procedures and materials, and to review for final cleanliness and completion.

.2 The Abatement Consultant is empowered by the Owner to order a shutdown of work when leakage of hazardous materials 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 Site Reviews 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 site reviews and provide access as necessary. Make good work disturbed by site reviews and testing at no cost to the Owner.

.7 Refer to the Sections identified in Related Work for specified milestone site reviews 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 site reviews or transportation of waste through Occupied Areas.

.9 The following Milestone Site Reviews may take place, at the Owner's cost, as outlined in each related specification:

.1 Milestone Site Review - Clean Site Preparation

.1 Review of preparations and set-up prior to contaminated work in the Abatement Work Area.

.2 Milestone Site Review – Bulk Removal

.1 Review during asbestos removal, monitoring removal methods, site deficiencies, performing occupied air monitoring, etc.

.3 Milestone Site Review - Visual Clearance

.1 Review 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 Site Reviews 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 Site Review is received from the Abatement Consultant.

1.13 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 review and air monitoring results are acceptable.

.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 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 site review, 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 reviewed 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 site reviews 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.

1.14 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.

1.15 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.

1.16 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 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.

.4 Place placards in accordance with Transportation of Dangerous Goods Act.

1.17 Waste and Material Handling

.1 Waste bins must be placed on grade.

.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 thoroughly 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.

1.18 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, which 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 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.

.13 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.

.14 Protective Clothing: Disposable coveralls complete with head covering and full body covering that fits snugly at the ankles, wrists and neck.

.15 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.

.16 Sprayer: Garden type portable manual sprayer or water hose with spray attachment if suitable.

.17 Tape: Duct tape or tape suitable for sealing polyethylene to surfaces under both dry and wet conditions in the presence of Amended Water.

.18 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 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 1 procedures, and Pinchin and Owner specific requirements.

.3 Unless work is performed under a higher classification Abatement Work Area, the following work can be performed under this Section:

.1 Reinstating or removing asbestos-containing ceiling tiles, if the tiles cover an area less than 7.5 square metres and are installed or removed without being broken, cut, drilled, abraded, ground, sanded or vibrated.

.2 Reinstating or removing non-friable asbestos-containing material, other than ceiling tiles, if the material is installed or removed without being broken, cut, drilled, abraded, ground, sanded or vibrated.

.3 Breaking, cutting, drilling, abrading, grinding, sanding or vibrating non-friable asbestos-containing material if, the material is wetted to control the spread of dust or fibres, and the work is done only by means of non-powered hand-held tools.

.4 Removing less than one square metre of drywall in which joint-filling compounds that are asbestos-containing material have been used.

1.3 Personal Protection

.1 Provide non-powered half-face respirators with P100 high efficiency (HEPA) cartridge filters when requested by personnel.

.2 When requested by personnel, when requested by personnel, provide protective clothing.

.3 Wear hard hats, safety shoes and other personal protective equipment required by applicable construction safety regulations.

1.4 Site Reviews

.1 Refer to Section 02 81 00 Hazardous Materials – General Provisions.

.2 The following Milestone Site Reviews are to be scheduled:

.1 Milestone Site Review - Clean Site Preparation

.2 Milestone Site Review – Bulk Removal

.3 Milestone Site Review - Visual Clearance

PART 2 PRODUCTS AND FACILITIES

.1 Refer to Section 02 81 00 Hazardous Materials – General Provisions.

PART 3 EXECUTION

3.1 Site Preparation

.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 Install one layer of polyethylene sheeting on walls, floors, finishes, millwork, electrical equipment, equipment and furnishings remaining in the Abatement Work Area.

.5 Install polyethylene drop sheets below areas of work.

.6 Install polyethylene sheeting on openings in walls and floors (as required) and seal.

.7 Install signage in clearly visible locations and in sufficient numbers to adequately warn of an asbestos dust hazard.

.8 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.

.9 Provide power from ground fault interrupt circuits.

.10 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.

.11 Provide amended water for wetting ACM, and adequate method of wetting (garden sprayers, airless sprayers, etc.).

.12 Without disturbing asbestos-containing materials, remove and dispose of non-hazardous materials as clean waste prior to asbestos removal work, where possible.

3.2 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 Maintain Abatement Work Area in tidy condition.

.4 Remove any standing water on polyethylene/floor at the end of every shift.

.5 Turn off water supply to any hoses and reduce pressure in hose, prior to leaving the

Abatement Work Area at end of shift.

3.3 Asbestos Removal - General

.1 Do not use powered tools or non-handheld tools.

.2 Do not use compressed air to clean or remove dust or debris.

.3 Do not break, cut, drill, abrade, grind, sand or vibrate ACM if it cannot be wetted. Type 2 procedures would be required if the material cannot be wetted due to hazard or damage.

.4 Wet ACM prior to work and keep ACM wet throughout the removal process.

.5 Undo fasteners if necessary to remove material.

.6 Use only non-powered hand-held tools to remove ACM.

.7 Scrape to remove material adhered to substrate.

.8 Place removed ACM directly into an asbestos waste container.

.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 asbestos waste containers.

.11 Immediately upon completion of work, clean area with HEPA vacuum and/or wet sweeping or mopping.

.12 Wet all material to be disturbed.

3.4 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. As polyethylene is rolled away, immediately remove visible debris beneath with a HEPA vacuum.

.6 Remove remaining polyethylene sheeting and tape.

.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.

3.5 Waste and Material Handling

.1 Refer to Section 02 81 00 Hazardous Materials – General Provisions.

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.

.3 Unless work is performed under a higher classification Abatement Work Area, the following work can be performed under this Section:

.1 Removing all or part of a false ceiling to obtain access to a work area, if asbestos-containing material is likely to be lying on the surface of the false ceiling.

.2 The removal or disturbance of one square metre or less of friable asbestos-containing material.

.3 Enclosing friable asbestos-containing material.

.4 Applying tape or a sealant or other covering to pipe or boiler insulation that is asbestos-containing material.

.5 Reinstating or removing ceiling tiles that are asbestos-containing material, if the tiles cover an area of 7.5 square metres or more and are installed or removed without being broken, cut, drilled, abraded, ground, sanded or vibrated.

.6 Breaking, cutting, drilling, abrading, grinding, sanding or vibrating non-friable asbestos-containing material if, the material is not wetted to control the spread of dust or fibres, and the work is done only by means of non-powered hand-held tools.

.7 Removing one square metre or more of drywall in which joint filling compounds that are asbestos-containing material have been used.

.8 Breaking, cutting, drilling, abrading, grinding, sanding or vibrating non-friable asbestos-containing material if the work is done by means of power tools that are attached to dust-collecting devices equipped with HEPA filters.

.9 Cleaning or removing filters used in air handling equipment in a building that has sprayed fireproofing that is asbestos-containing material.

.10 Any operation that, is not clearly defined in Sections 02 82 00.02 or 02 82 00.03.

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 Site Reviews

.1 Refer to Section 02 81 00 Hazardous Materials – General Provisions.

.2 The following Milestone Site Reviews are to be scheduled:

.1 Milestone Site Review - Clean Site Preparation

.2 Milestone Site Review – Bulk Removal

.3 Milestone Site Review - Visual Clearance

PART 2 PRODUCTS AND FACILITIES

.1 Refer to Section 02 81 00 Hazardous Materials – General Provisions.

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 two layers 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 following work:

.1 Removal of friable asbestos-containing materials (less than 1 square metre).

.2 Removal of a false ceiling (or part of) where asbestos-containing material is presumed or known to be present on the surface.

.3 Removal of asbestos-containing drywall and/or plaster finishes.

.4 Removal of asbestos-containing ceiling tiles.

.2 Install Transfer Room where duration of work is to last longer than one 8 hour shift.

.3 Seal openings in floor using tape, caulking, 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.

.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:

.9 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.

.10 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. Site Review 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 Adequately wet exterior of the ACM with amended water to suppress dust.

.2 Remove asbestos-containing mechanical insulations in layers, maintaining all exposed surfaces of insulation in a wet condition.

.3 Remove wetted ACM directly into waste containers. Do not allow ACM to fall to the floor of the Abatement Work Area.

.4 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.

.5 Seal exposed ends of asbestos-containing insulation to remain, with canvas and lagging.

.6 Apply Post Removal Sealant to all surfaces within the Abatement Work Area including those from which ACM has been removed.

3.6 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.

3.7 Abatement Cleaning

.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.

3.8 Abatement Work Area Dismantling

.1 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.

.2 Remove remaining polyethylene sheeting and tape, and dispose of as asbestos waste.

.3 Remove remaining site isolation, seals, tape, etc.

.4 Remove Transfer Room.

.5 Remove seals, tape, Signage etc.

.6 Immediately upon shutting down negative air units, seal air inlet grill and exhaust vent with polyethylene and tape.

.7 Seal openings in HEPA vacuums.

.8 Remove and dispose of the pre-filters from HEPA filtered negative pressure machines as asbestos waste.

.9 Remove HEPA filtered negative pressure machines and discharge ducting or HEPA vacuums.

.10 Remove temporary lights.

.11 Remove ground fault panels.

.12 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 Hazardous Materials – General Provisions.

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 Reinstall ducts removed to perform cleaning of ducts or to access ACM.

.6 Clean, mop and vacuum Abatement Work Area beneath Decontamination Facilities.

.7 Enable building air handling systems.

END OF SECTION

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 materials coated with lead-containing surface coatings, using non-powered hand tools, where the materials remains primarily intact, and is not crumbled, pulverized or powdered.

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 Site Review 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.

.2 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 Wear hard hats, safety shoes and other personal protective equipment required by applicable construction safety regulations.

1.5 Site Reviews

.1 Refer to Section 02 81 00 Hazardous Materials – General Provisions.

.2 The following Milestone Site Reviews are to be scheduled:

.1 Milestone Site Review - Clean Site Preparation

.2 Milestone Site Review – Bulk Removal

.3 Milestone Site Review - Visual Clearance

PART 2 PRODUCTS AND FACILITIES

.1 Refer to Section 02 81 00 Hazardous Materials – General Provisions.

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 Remove visible dust from all surfaces in the work area including those to be worked on, using HEPA Vacuums or wet wiping.

.3 Provide amended water for wetting materials, and adequate method of wetting (garden sprayers, airless sprayers, etc.).

.4 Do not use compressed air to clean or remove dust or debris.

.5 Frequently and at regular intervals during the work, clean up dust and waste using HEPA vacuums and/or wet sweeping or mopping.

.6 Frequently and at regular intervals, place all waste in waste containers.

.7 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 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 Waste Management and Disposal

.1 Per Section 02 81 00 Hazardous Materials – General Provisions.

3.5 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

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.

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 Site Review 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.

.2 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, appropriate for the work being completed.

.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.

1.5 Site Reviews

.1 Refer to Section 02 81 00 Hazardous Materials – General Provisions.

.2 The following Milestone Site Reviews are to be scheduled:

.1 Milestone Site Review - Clean Site Preparation

.2 Milestone Site Review – Bulk Removal

.3 Milestone Site Review - Visual Clearance

PART 2 PRODUCTS AND FACILITIES

.1 Refer to Section 02 81 00 Hazardous Materials – General Provisions.

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 Remove visible dust from all surfaces in the work area including those to be worked on, using HEPA Vacuums or wet wiping.

.3 Provide amended water for wetting materials, and adequate method of wetting (garden sprayers, airless sprayers, etc.).

.4 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.

.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 Cover materials to remain in the Abatement Work Area with polyethylene sheeting before disturbing materials 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.

3.3 Maintenance of Abatement Work Area

.1 Inspect polyethylene sheeting and ensure it is effectively sealed and taped. Repair damage and remedy defects immediately.

.2 Maintain Abatement Work Area in tidy condition.

.3 Remove standing water on polyethylene/floor at the end of every shift.

.4 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 Lead Abatement

.1 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.

.2 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.

.3 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 is not to be used if it creates a hazard or cause damage to equipment or to project.

.4 Provide drop sheets below all lead operations that may produce dust, chips or debris containing lead.

.5 Waste water from cleaning or removal operations must be contained, for treatment or disposal.

.6 Remove lead containing paint in small sections and pack as it is being removed in sealable waste containers.

.7 Waste generated should be maintained wet until 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. Ensure containers are removed by workers who have entered from uncontaminated areas dressed in clean coveralls.

3.5 Waste Management and Disposal

.1 Per Section 02 82 00 Hazardous Materials – General Provisions.

3.6 Final Cleaning

.1 Following specified cleaning procedures, and when lead wipe sampling is below acceptable concentrations 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.

.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

Hazardous Building Materials Assessment (Pre-construction)

Window Replacement Renovations
Richard Beasley Elementary School
80 Currie Street, Hamilton, Ontario

Prepared for:

Hamilton-Wentworth District School Board
20 Education Court
Hamilton, Ontario L8N 3L1

April 15, 2026

Pinchin File: 368285.008

Issued to:	**Hamilton-Wentworth District School Board**
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Issuing Office:	**Hamilton, ON**
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Project Manager

Reviewer: Damian Palus, C.E.T.
Senior Project Manager

EXECUTIVE SUMMARY

Hamilton-Wentworth District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at Richard Beasley Elementary School located at 80 Currie Street, Hamilton, Ontario. Pinchin performed the assessment on April 9, 2026.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation activities. The proposed work as identified by the Client includes window replacement renovations of the exterior windows.

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
- Cement products (Transite)
- Vinyl sheet flooring
- Vinyl floor tiles and mastic
- Window sealants
- Caulking
- Sink mastic

Lead:

- Lead is present in paints and coatings.
- Caulking on cast iron pipe joints (bell and spigot) contains lead.

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

Mercury: Mercury vapour is present in lamp tubes.

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

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

SUMMARY OF RECOMMENDATIONS

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

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

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.

TABLE OF CONTENTS

APPENDICES

1.0 INTRODUCTION AND SCOPE

Hamilton-Wentworth District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at Richard Beasley Elementary School located at 80 Currie Street, Hamilton, Ontario.

Pinchin performed the assessment on April 9, 2026. The surveyor was unaccompanied during the assessment. The assessed area was occupied at the time of the assessment.

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

Renovations are limited to exterior windows and adjacent finishes throughout the building, as well as areas that may be affected by the work.

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

1.1 Scope of Assessment

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

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

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

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

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

- Arsenic
- Acrylonitrile
- Benzene

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

2.0 METHODOLOGY

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

The assessment included limited demolition of wall and ceiling finishes (drywall or plaster) to view concealed conditions at representative areas as permitted by the current building use. Limited destructive testing of flooring was not conducted. Limited 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	Elementary school
Number of Floors	The building is 1 storey.
Total Area	The total area of the building is approximately 30,000 square feet.
Year of Construction	The building was constructed in 1968.
Structure	Concrete (precast), structural steel beams, masonry.
Exterior Cladding	Masonry, transite, stucco.
HVAC	Forced air, radiant heating.
Roof	N/A
Flooring	Terrazzo, vinyl floor tiles, vinyl sheet flooring, wood, concrete.
Interior Walls	Masonry, concrete block, drywall.
Ceilings	Ceiling tiles (lay-in)

3.2 Existing Reports

Pinchin previously prepared the following reports, which have been reviewed as part of this assessment:

- Hazardous Building Materials Assessment (Pre-construction), March 11, 2025. Prepared By Pinchin Ltd., File No. 352293.003.
- Richard Beasley School, Asbestos Inventory, updated January 2024.

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.), on pipe systems in the assessed area and within radiator millwork (samples S0002A-C, photos 1 and 2).

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

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

Photo 1

Photo 2

4.1.2 Duct Insulation and Mastic

Ducts in the assessed area are uninsulated or insulated with non-asbestos fibreglass (foil-faced or canvas jacketing).

4.1.3 Vermiculite

Destructive testing was conducted of a representative selection of masonry block walls, including creating penetrations at seven locations (photos 1 and 2). The locations of destructive testing have been indicated on the drawings in Appendix I.

Loose fill vermiculite was not observed within the cavities.

Photo 1

Photo 2

4.1.4 Acoustic Ceiling Tiles

The following is a summary of acoustic ceiling tiles sampled/observed.

Description	Sample Location	Sample number, Date Code	Asbestos	Photo
24”x48” lay-in, pinhole with width-wide fissures	Throughout the assessed area	Stamped 10/26/93	No	

Description	Sample Location	Sample number, Date Code	Asbestos	Photo
24”x48” lay-in, pinhole with fleck	Throughout the assessed area	Stamped 07/28/03	No	
24”x48” pinhole with length-wise fissures	Corridor between the Gymnasium and Classrooms (Location 1685)	S0020A-C	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.

4.1.5 Plaster and Stucco

Stucco present below windows as exterior cladding does not contain asbestos (samples S0031A-C, photos 1-2). Transite paneling is presumed to be present behind the stucco.

Photo 1

Photo 2

4.1.6 Drywall Joint Compound

Drywall joint compound present as pipe chases throughout the assessed area does not contain asbestos (samples S0007A-C, photos 1 and 2).

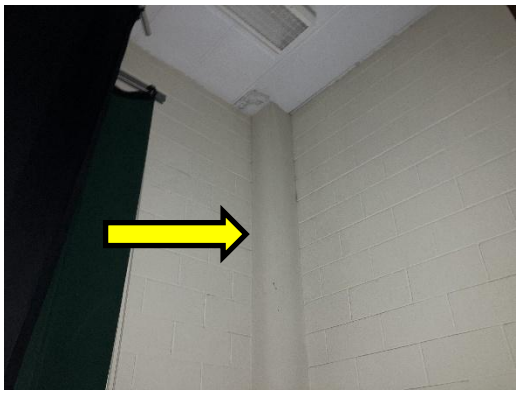


Photo 1

Photo 2

4.1.7 Asbestos Cement Products

Cement board (i.e. Transite), containing asbestos (samples S0022A-C and S0034A-C), is present as follows:

- Above exterior doors and windows (photo 1)
- Between window frames and interior walls (photo 2)
- Below windows (photo 3)
- Presumed present concealed behind stucco and wood panelling (photos 4, 5 and 6)

Photo 1

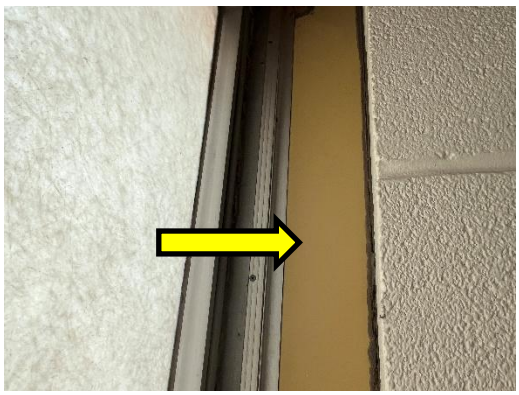


Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

4.1.8 Vinyl Sheet Flooring

The following is a summary of vinyl sheet flooring material sampled.

Description	Sample Location (Loc #)	Sample Number	Asbestos	Photo
Beige, square pattern	Kindergarten Classrooms on benches (Location 1670 and 1675)	S0011A-C	Yes	

4.1.9 Vinyl Floor Tiles, Baseboard, and Stair Flooring

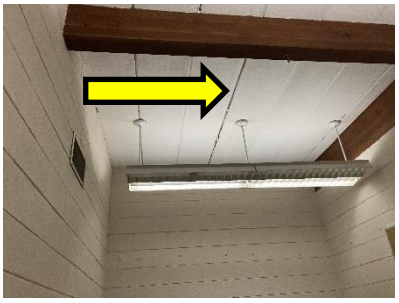
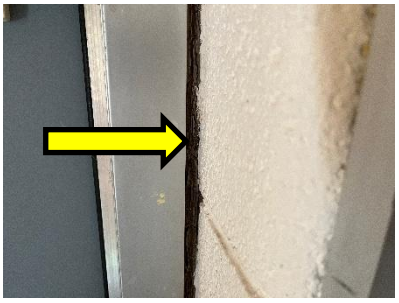
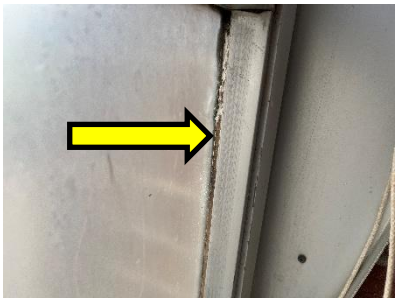
The following is a summary of vinyl floor tiles sampled.

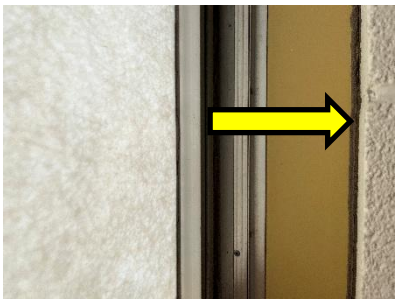
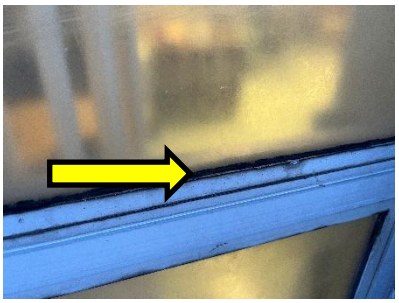
Description	Location (Location #)	Sample Number	Asbestos (Tile / Adhesive)	Photo
12”x12” mottled blue	Kindergarten Classroom 1 (Location 1670)	S0003A-C	No / Yes	
12”x12” beige with brown fleck	Kindergarten Classroom 1 (Location 1670)	S0012A-C	No / No	
12”x12” mottled yellow	Kindergarten Classroom 2 (Location 1675)	S0013A-C	No / Yes	

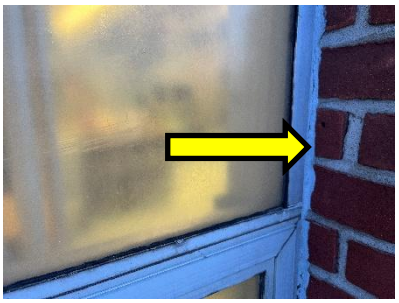
Flooring is not expected to be affected by the planned window replacement project. All flooring where not previously sampled is presumed to contain asbestos.

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, white on expansion joints of siporex decking	Kindergarten Classroom and Exterior	S0018A-C	Yes	 
Caulking, brown on door frames	Kindergarten Classroom 1 (Location 1670)	S0023A-C	Yes	
Sealant, white on windows	Kindergarten Classroom 1 (Location 1670)	S0024A-C	Yes	

Material, Description and Application	Sample Location (Location #)	Sample Number	Asbestos	Photo
Sealant (butyl sealant), black on windows	Kindergarten Classroom 1 (Location 1670)	S0025A-C	Yes	
Caulking, grey on window frames	Kindergarten Classroom 1 (Location 1670)	S0026A-C	Yes	
Caulking, grey on window and door frames	Offices (Location 1)	S0028A-C	Yes	
Butyl sealant, black on windows	Exterior (Location 8)	S0029A-C	Yes	

Material, Description and Application	Sample Location (Location #)	Sample Number	Asbestos	Photo
Caulking, grey/brown/white on door and window frames, transite, stucco, wood panelling, windows sills and flashing	Exterior (Location 8)	S0030A-C	Yes	  
Caulking, white on door and window frames	Exterior by Kindergartens (Location 9)	S0032A-C	No*	

Material, Description and Application	Sample Location (Location #)	Sample Number	Asbestos	Photo
Butyl sealant, black on windows	Exterior by Kindergartens (Location 9)	S0033A-C	No *	

*Asbestos-containing caulking is presumed to be present below non-asbestos caulking and sealants.

4.1.11 Paper, Textile and Board Products

Tar paper present in radiators of Kindergarten Classrooms (Locations 1670 and 1675) does not contain asbestos (samples S0021A-C, photos 1-2).

Photo 1

Photo 2

4.1.12 Other Building Materials

Silver mastic, containing asbestos, is present on the underside of the sinks in the Kindergarten Classrooms (Locations 1670 and 1675) (samples S0010A-C, photos 1 and 2).

Paint present on concrete block walls throughout the assessed area does not contain asbestos (samples S0005A-G and S0027A-F, photo 3).

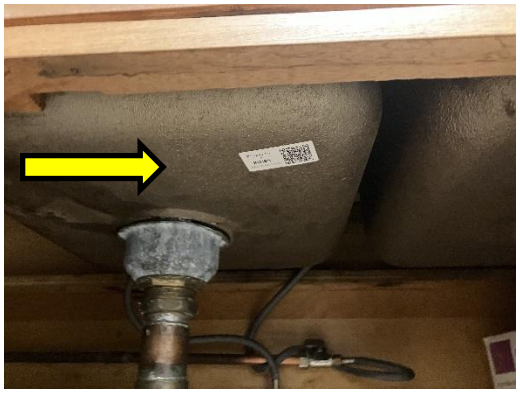


Photo 1

Photo 2

Photo 3

4.1.13 Excluded Materials

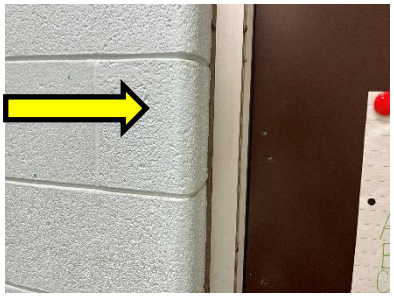
The following is a list of materials which may contain asbestos and was excluded from the assessment. These materials are presumed to contain asbestos until otherwise proven by sampling and analysis:

- Floor levelling compound
- Electrical components
- Mechanical packing, ropes, and gaskets
- Paper products
- Soffit and fascia boards
- Fire resistant doors
- Ropes and gaskets in cast-iron bell and spigot joints
- Sealants on pipe threads

4.2 Lead

4.2.1 Paints and Surface Coatings

The following table summarizes the analytical results of paints sampled.

Sample Number	Colour, Substrate Description	Sample Location	Lead (%)	Photo
L0004	Cream on masonry block walls	Kindergarten Classroom 1 (Location 1670)	0.032	
L0006	Blue on masonry block	Classrooms (Location 3)	0.015	
L0007	Blue on panels beneath windows	Exterior by Kindergartens (Location 9)	0.068	

Sample Number	Colour, Substrate Description	Sample Location	Lead (%)	Photo
L0008	White on wood panels	Exterior (Location 8)	0.36	

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

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

4.3 Silica

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

- Concrete
- Masonry and mortar
- Asphalt

4.4 Mercury

4.4.1 Lamps

Mercury vapour is present in fluorescent lamp tubes.

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*

Caulking is present at exterior window and door frames (sample P0002, photo 1) and contains 1.7 mg/kg PCBs. The material is a non-PCB solid based on the threshold (50 mg/kg).

Butyl sealant is present at exterior windows (sample P0001, photo 2) and contains 3.5 mg/kg PCBs. The material is a non-PCB solid based on the threshold (50 mg/kg).

Photo 1

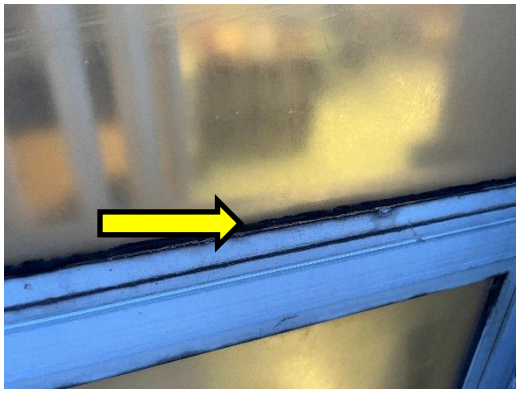


Photo 2

4.5.2 *Lighting Ballasts*

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

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 Remedial Work

Remedial work is not recommended.

5.3 Building Renovation Work

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

5.3.1 Asbestos

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

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

5.3.2 Lead

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

5.3.3 Silica

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

5.3.4 Mercury

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

5.3.5 PCBs

Prior to demolition, remove light fixtures and examine light ballasts for PCB content. If ballasts are not clearly labelled as “non-PCB” or are suspected to contain PCBs, package and ship ballasts for destruction at a federally permitted facility.

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

6.0 TERMS AND LIMITATIONS

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

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

7.0 REFERENCES

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

1. Asbestos on Construction Projects and in Buildings and Repair Operations, Ontario Regulation 278/05.
2. Designated Substances, Ontario Regulation 490/09.
3. Lead on Construction Projects, Ministry of Labour Guidance Document.
4. The Environmental Abatement Council of Canada (EACC) Lead Guideline for Construction, Renovation, Maintenance or Repair.
5. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 347 as amended.
6. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 362 as amended.
7. Silica on Construction Projects, Ministry of Labour Guidance Document.
8. Alert – Mould in Workplace Buildings, Ontario Ministry of Labour.
9. PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.
10. Surface Coating Materials Regulations, SOR/2016-193, Canada Consumer Product Safety Act.
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. Canada Occupational Health and Safety Regulation, SOR/86-304
14. Technical Guideline to Asbestos Exposure Management Programs.

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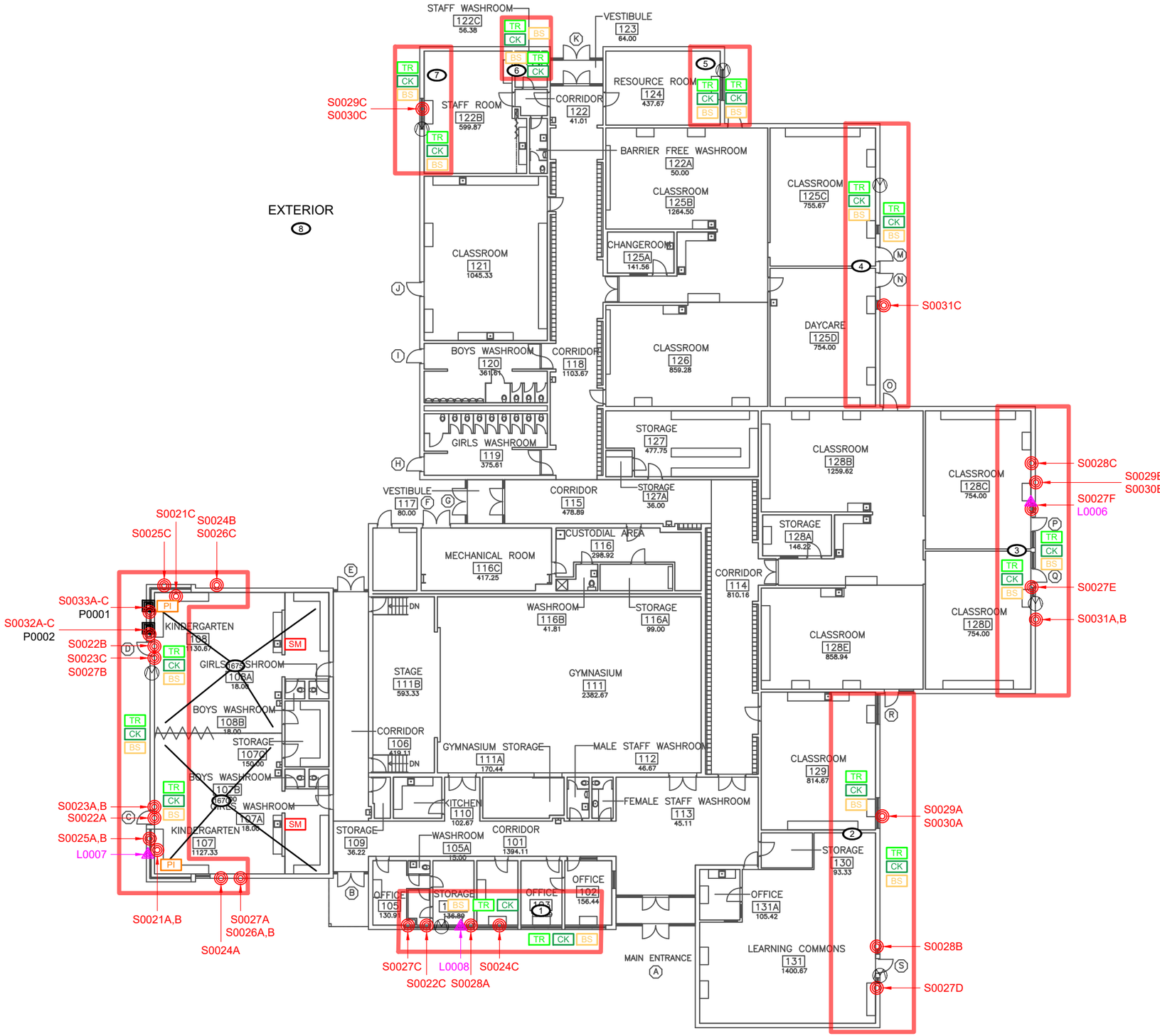
Template: Master Report for Hazardous Materials Assessment (Pre-Construction), HAZ, May 16, 2025

APPENDIX I

Drawings



LEGEND

- PINCHIN LOCATION NUMBER
- ASSESSED AREA
- ASBESTOS BULK SAMPLE
- LEAD BULK SAMPLE
- PCB BULK SAMPLE
- VERMICULITE DRILLHOLE

ASBESTOS-CONTAINING MATERIALS:

- TR TRANSITE
- CK CAULKING
- BS BUTYL SEALANT
- PI PIPE INSULATION
- SM SINK MASTIC

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

- VINYL FLOOR TILES
- VINYL FLOOR TILE MASTIC
- VINYL SHEET FLOORING

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

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

BASE PLAN PROVIDED BY CLIENT.

PINCHIN

PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT

CLIENT NAME:
HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

PROJECT LOCATION:
RICHARD BEASLEY ES
80 CURRIE STREET,
HAMILTON, ONTARIO

FIGURE NAME:
FIRST FLOOR

PROJECT NUMBER:	SCALE:
368258.008	NOT TO SCALE
DRAWN BY:	REVIEWED BY:
KU	JP
DATE:	FIGURE NUMBER:
APRIL 2026	1 OF 1

APPENDIX II-A

Asbestos Analytical Certificates

Your Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Your C.O.C. #: NA

Attention: Jessica Cozzitorto

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

Report Date: 2026/04/13
Report #: R8723048
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C637664
Received: 2026/04/10, 12:15

Sample Matrix: Bulk
Samples Received: 45

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Asbestos by PLM - 0.5 RDL (1)	45	N/A	2026/04/13	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

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

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

Your Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Your C.O.C. #: NA

Attention: Jessica Cozzitorto

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

Report Date: 2026/04/13
Report #: R8723048
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C637664
Received: 2026/04/10, 12:15

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Elora Di Bratto, Project Manager
Email: Elora.Di-Bratto@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 #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0021A DUCT,TAR,TAR PAPER,LOC:1670,KINDERGARTEN CLASSROOM 1

Bureau Veritas ID: BBQH13 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous black tar paper	Not Detected	Glass Fibres	50%	Non-Fibrous

S0021B DUCT,TAR,TAR PAPER,LOC:1670,KINDERGARTEN CLASSROOM 1

Bureau Veritas ID: BBQH14 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous black tar paper	Not Detected	Glass Fibres	50%	Non-Fibrous

S0021C DUCT,TAR,TAR PAPER,LOC:1675,KINDERGARTEN CLASSROOM 2

Bureau Veritas ID: BBQH15 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous black tar paper	Not Detected	Glass Fibres	50%	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 #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0022A WALL,CEMENT PRODUCT,TRANSITE BOARD,LOC:1670,KINDERGARTEN CLASSROOM 1

Bureau Veritas ID: BBQH16 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos		Other Fibres		Particulate
Layer 1	100	Homogeneous grey transite	**Chrysotile**	8%	Cellulose	4%	Non-Fibrous

S0022B WALL,CEMENT PRODUCT,TRANSITE BOARD,LOC:1675,KINDERGARTEN CLASSROOM 2

Bureau Veritas ID: BBQH17 Date Analyzed: 2026/04/13

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

S0022C WALL,CEMENT PRODUCT,TRANSITE BOARD,LOC:1,OFFICES

Bureau Veritas ID: BBQH18 Date Analyzed: 2026/04/13

	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 #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0023A STRUCTURE,DOOR FRAME,CAULKING,BROWN,LOC:1670,KINDERGARTEN CLASSROOM 1

Bureau Veritas ID: BBQH19 — Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos		Other Fibres		Particulate
Layer 1	100	Homogeneous light brown caulking	**Chrysotile**	3%	Cellulose	<0.50%	Non-Fibrous

S0023B STRUCTURE,DOOR FRAME,CAULKING,BROWN,LOC:1670,KINDERGARTEN CLASSROOM 1

Bureau Veritas ID: BBQH20 — Date Analyzed: 2026/04/13

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

S0023C STRUCTURE,DOOR FRAME,CAULKING,BROWN,LOC:1675,KINDERGARTEN CLASSROOM 2

Bureau Veritas ID: BBQH21 — Date Analyzed: 2026/04/13

	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 #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0024A
STRUCTURE,WINDOW,SEALANT,WHITE,LOC:1670,KINDERGARTEN CLASSROOM 1

Bureau Veritas ID: BBQH22 — Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos		Other Fibres		Particulate
Layer 1	100	Homogeneous beige sealant	**Chrysotile**	0.5%	Cellulose	<0.50%	Non-Fibrous

S0024B
STRUCTURE,WINDOW,SEALANT,WHITE,LOC:1675,KINDERGARTEN CLASSROOM 2

Bureau Veritas ID: BBQH23 — Date Analyzed: 2026/04/13

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

S0024C
STRUCTURE,WINDOW,SEALANT,WHITE,LOC:1,OFFICES

Bureau Veritas ID: BBQH24 — Date Analyzed: 2026/04/13

	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 #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0025A
STRUCTURE,WINDOW,SEALANT,BLACK,LOC:1670,KINDERGARTEN CLASSROOM 1

Bureau Veritas ID: BBQH25 — Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos		Other Fibres		Particulate
Layer 1	100	Homogeneous grey caulking	**Chrysotile**	3%	Talc	3%	Non-Fibrous
					Wollastonite	1%	

S0025B
STRUCTURE,WINDOW,SEALANT,BLACK,LOC:1670,KINDERGARTEN CLASSROOM 1

Bureau Veritas ID: BBQH26 — Date Analyzed: 2026/04/13

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

S0025C
STRUCTURE,WINDOW,SEALANT,BLACK,LOC:1675,KINDERGARTEN CLASSROOM 2

Bureau Veritas ID: BBQH27 — Date Analyzed: 2026/04/13

	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 #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0026A STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:1670,KINDERGARTEN CLASSROOM 1

Bureau Veritas ID: BBQH28 — Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos		Other Fibres	Particulate
Layer 1	100	Homogeneous light brown caulking	**Chrysotile**	3%		Non-Fibrous

S0026B STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:1670,KINDERGARTEN CLASSROOM 1

Bureau Veritas ID: BBQH29 — Date Analyzed: 2026/04/13

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

S0026C STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:1675,KINDERGARTEN CLASSROOM 2

Bureau Veritas ID: BBQH30 — Date Analyzed: 2026/04/13

	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 #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0027A WALL,PAINT,WHITE ON BLOCK,LOC:1670,KINDERGARTEN CLASSROOM 1

Bureau Veritas ID: BBQH31 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Non-homogeneous off-white/grey paint/cementitious material	Not Detected		Non-Fibrous

S0027B WALL,PAINT,WHITE ON BLOCK,LOC:1675,KINDERGARTEN CLASSROOM 2

Bureau Veritas ID: BBQH32 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Non-homogeneous off-white/grey paint/cementitious material	Not Detected		Non-Fibrous

S0027C WALL,PAINT,WHITE ON BLOCK,LOC:1,OFFICES

Bureau Veritas ID: BBQH33 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Non-homogeneous off-white/grey paint/cementitious material	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0027D WALL,PAINT,WHITE ON BLOCK,LOC:2,CLASSROOMS AND LIBRARY

Bureau Veritas ID: BBQH34 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Non-homogeneous off-white/grey paint/cementitious material	Not Detected		Non-Fibrous

S0027E WALL,PAINT,BLUE ON BLOCK,LOC:3,CLASSROOMS

Bureau Veritas ID: BBQH35 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Non-homogeneous light blue/off-white paint/cementitious material	Not Detected		Non-Fibrous

S0027F WALL,PAINT,BLUE ON BLOCK,LOC:3,CLASSROOMS

Bureau Veritas ID: BBQH36 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Non-homogeneous light blue/off-white paint/cementitious material	Not Detected		Non-Fibrous

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

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

Bureau Veritas Job #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0028A STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:1,OFFICES

Bureau Veritas ID: BBQH38 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos		Other Fibres	Particulate
Layer 1	100	Homogeneous brown caulking	**Chrysotile**	2%		Non-Fibrous

S0028B STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:2,CLASSROOMS AND LIBRARY

Bureau Veritas ID: BBQH39 Date Analyzed: 2026/04/13

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

S0028C STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:3,CLASSROOMS

Bureau Veritas ID: BBQH40 Date Analyzed: 2026/04/13

	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 #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0029A
STRUCTURE,WINDOW,PUTTY,BUTYL,LOC:8,EXTERIOR

Bureau Veritas ID: BBQH41 — Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos		Other Fibres		Particulate
Layer 1	100	Homogeneous black sealant	**Chrysotile**	3%	Cellulose	<0.50%	Non-Fibrous

S0029B
STRUCTURE,WINDOW,PUTTY,BUTYL,LOC:8,EXTERIOR

Bureau Veritas ID: BBQH42 — Date Analyzed: 2026/04/13

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

S0029C
STRUCTURE,WINDOW,PUTTY,BUTYL,LOC:8,EXTERIOR

Bureau Veritas ID: BBQH43 — Date Analyzed: 2026/04/13

	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 #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0030A STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:8,EXTERIOR

Bureau Veritas ID: BBQH44 — Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos		Other Fibres		Particulate
Layer 1	100	Non-homogeneous light grey caulking	**Chrysotile**	1%	Synthetic fibres	0.5%	Non-Fibrous

S0030B STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:8,EXTERIOR

Bureau Veritas ID: BBQH45 — Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1			N/A		

Comment: Not Analyzed - Positive Stop

S0030C STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:8,EXTERIOR

Bureau Veritas ID: BBQH46 — Date Analyzed: 2026/04/13

	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 #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0031A WALL,STUCCO,BENEATH WINDOWS,LOC:8,EXTERIOR

Bureau Veritas ID: BBQH47 Date Analyzed: 2026/04/13

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

S0031B WALL,STUCCO,BENEATH WINDOWS,LOC:8,EXTERIOR

Bureau Veritas ID: BBQH48 Date Analyzed: 2026/04/13

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

S0031C WALL,STUCCO,BENEATH WINDOWS,LOC:8,EXTERIOR

Bureau Veritas ID: BBQH49 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Non-homogeneous green stucco	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 #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0032A STRUCTURE,WINDOW FRAME,CAULKING,WHITE,LOC:9,EXTERIOR BY KINDERGARTENS

Bureau Veritas ID: BBQH50 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous grey caulking	Not Detected	Glass Fibres	0.5%	Non-Fibrous

S0032B STRUCTURE,WINDOW FRAME,CAULKING,WHITE,LOC:9,EXTERIOR BY KINDERGARTENS

Bureau Veritas ID: BBQH51 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous grey caulking	Not Detected	Glass Fibres	0.5%	Non-Fibrous

S0032C STRUCTURE,WINDOW FRAME,CAULKING,WHITE,LOC:9,EXTERIOR BY KINDERGARTENS

Bureau Veritas ID: BBQH52 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous grey caulking	Not Detected	Glass Fibres	0.5%	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 #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0033A
STRUCTURE,WINDOW,PUTTY,BUTYL,LOC:9,EXTERIOR BY KINDERGARTENS

Bureau Veritas ID: BBQH53 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous black sealant	Not Detected	Talc	1%	Non-Fibrous
				Wollastonite	3%	

S0033B
STRUCTURE,WINDOW,PUTTY,BUTYL,LOC:9,EXTERIOR BY KINDERGARTENS

Bureau Veritas ID: BBQH54 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous black sealant	Not Detected	Talc	1%	Non-Fibrous
				Wollastonite	3%	

S0033C
STRUCTURE,WINDOW,PUTTY,BUTYL,LOC:9,EXTERIOR BY KINDERGARTENS

Bureau Veritas ID: BBQH55 Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous black sealant	Not Detected	Talc	1%	Non-Fibrous
				Wollastonite	3%	

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 #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

Asbestos Analytical Results

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

S0034A WALL,CEMENT PRODUCT,TRANSITE BOARD,LOC:9,EXTERIOR BY KINDERGARTENS

Bureau Veritas ID: BBQH56 — Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos		Other Fibres	Particulate
Layer 1	100	Homogeneous grey transite	**Chrysotile**	12%		Non-Fibrous

S0034B WALL,CEMENT PRODUCT,TRANSITE BOARD,LOC:9,EXTERIOR BY KINDERGARTENS

Bureau Veritas ID: BBQH57 — Date Analyzed: 2026/04/13

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1			N/A		

Comment: Not Analyzed - Positive Stop

S0034C WALL,CEMENT PRODUCT,TRANSITE BOARD,LOC:9,EXTERIOR BY KINDERGARTENS

Bureau Veritas ID: BBQH58 — Date Analyzed: 2026/04/13

	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 #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

TEST SUMMARY

Bureau Veritas ID: BBQH13 **Collected:** 2026/04/10
Sample ID: S0021A DUCT,TAR,TAR PAPER,LOC:1670,KINDERGARTEN CLASSROOM 1 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH13 Dup **Collected:** 2026/04/10
Sample ID: S0021A DUCT,TAR,TAR PAPER,LOC:1670,KINDERGARTEN CLASSROOM 1 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH14 **Collected:** 2026/04/10
Sample ID: S0021B DUCT,TAR,TAR PAPER,LOC:1670,KINDERGARTEN CLASSROOM 1 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH15 **Collected:** 2026/04/10
Sample ID: S0021C DUCT,TAR,TAR PAPER,LOC:1675,KINDERGARTEN CLASSROOM 2 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH16 **Collected:** 2026/04/10
Sample ID: S0022A WALL,CEMENT PRODUCT,TRANSITE BOARD,LOC:1670,KINDERGARTEN CLASSROOM 1 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH17 **Collected:** 2026/04/10
Sample ID: S0022B WALL,CEMENT PRODUCT,TRANSITE BOARD,LOC:1675,KINDERGARTEN CLASSROOM 2 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH18 **Collected:** 2026/04/10
Sample ID: S0022C WALL,CEMENT PRODUCT,TRANSITE BOARD,LOC:1,OFFICES **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

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TEST SUMMARY

Bureau Veritas ID: BBQH19 **Collected:** 2026/04/10
Sample ID: S0023A STRUCTURE,DOOR FRAME,CAULKING,BROWN,LOC:1670,KINDERGARTEN CLASSROOM 1 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH20 **Collected:** 2026/04/10
Sample ID: S0023B STRUCTURE,DOOR FRAME,CAULKING,BROWN,LOC:1670,KINDERGARTEN CLASSROOM 1 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH21 **Collected:** 2026/04/10
Sample ID: S0023C STRUCTURE,DOOR FRAME,CAULKING,BROWN,LOC:1675,KINDERGARTEN CLASSROOM 2 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH22 **Collected:** 2026/04/10
Sample ID: S0024A STRUCTURE,WINDOW,SEALANT,WHITE,LOC:1670,KINDERGARTEN CLASSROOM 1 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH22 Dup **Collected:** 2026/04/10
Sample ID: S0024A STRUCTURE,WINDOW,SEALANT,WHITE,LOC:1670,KINDERGARTEN CLASSROOM 1 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A		Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH23 **Collected:** 2026/04/10
Sample ID: S0024B STRUCTURE,WINDOW,SEALANT,WHITE,LOC:1675,KINDERGARTEN CLASSROOM 2 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH24 **Collected:** 2026/04/10
Sample ID: S0024C STRUCTURE,WINDOW,SEALANT,WHITE,LOC:1,OFFICES **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

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TEST SUMMARY

Bureau Veritas ID: BBQH25 **Collected:** 2026/04/10
Sample ID: S0025A STRUCTURE,WINDOW,SEALANT,BLACK,LOC:1670,KINDERGARTEN CLASSROOM 1 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH26 **Collected:** 2026/04/10
Sample ID: S0025B STRUCTURE,WINDOW,SEALANT,BLACK,LOC:1670,KINDERGARTEN CLASSROOM 1 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH27 **Collected:** 2026/04/10
Sample ID: S0025C STRUCTURE,WINDOW,SEALANT,BLACK,LOC:1675,KINDERGARTEN CLASSROOM 2 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH28 **Collected:** 2026/04/10
Sample ID: S0026A STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:1670,KINDERGARTEN CLASSROOM 1 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH29 **Collected:** 2026/04/10
Sample ID: S0026B STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:1670,KINDERGARTEN CLASSROOM 1 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH30 **Collected:** 2026/04/10
Sample ID: S0026C STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:1675,KINDERGARTEN CLASSROOM 2 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH31 **Collected:** 2026/04/10
Sample ID: S0027A WALL,PAINT,WHITE ON BLOCK,LOC:1670,KINDERGARTEN CLASSROOM 1 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

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TEST SUMMARY

Bureau Veritas ID: BBQH32 **Collected:** 2026/04/10
Sample ID: S0027B WALL,PAINT,WHITE ON BLOCK,LOC:1675,KINDERGARTEN CLASSROOM 2 **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH33 **Collected:** 2026/04/10
Sample ID: S0027C WALL,PAINT,WHITE ON BLOCK,LOC:1,OFFICES **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH33 Dup **Collected:** 2026/04/10
Sample ID: S0027C WALL,PAINT,WHITE ON BLOCK,LOC:1,OFFICES **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH34 **Collected:** 2026/04/10
Sample ID: S0027D WALL,PAINT,WHITE ON BLOCK,LOC:2,CLASSROOMS AND LIBRARY **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH35 **Collected:** 2026/04/10
Sample ID: S0027E WALL,PAINT,BLUE ON BLOCK,LOC:3,CLASSROOMS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH36 **Collected:** 2026/04/10
Sample ID: S0027F WALL,PAINT,BLUE ON BLOCK,LOC:3,CLASSROOMS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH38 **Collected:** 2026/04/10
Sample ID: S0028A STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:1,OFFICES **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

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TEST SUMMARY

Bureau Veritas ID: BBQH39 **Collected:** 2026/04/10
Sample ID: S0028B STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:2,CLASSROOMS AND LIBRARY **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH40 **Collected:** 2026/04/10
Sample ID: S0028C STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:3,CLASSROOMS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH41 **Collected:** 2026/04/10
Sample ID: S0029A STRUCTURE,WINDOW,PUTTY,BUTYL,LOC:8,EXTERIOR **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH42 **Collected:** 2026/04/10
Sample ID: S0029B STRUCTURE,WINDOW,PUTTY,BUTYL,LOC:8,EXTERIOR **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH43 **Collected:** 2026/04/10
Sample ID: S0029C STRUCTURE,WINDOW,PUTTY,BUTYL,LOC:8,EXTERIOR **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH44 **Collected:** 2026/04/10
Sample ID: S0030A STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:8,EXTERIOR **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH44 Dup **Collected:** 2026/04/10
Sample ID: S0030A STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:8,EXTERIOR **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

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TEST SUMMARY

Bureau Veritas ID: BBQH45 **Collected:** 2026/04/10
Sample ID: S0030B STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:8,EXTERIOR **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH46 **Collected:** 2026/04/10
Sample ID: S0030C STRUCTURE,WINDOW FRAME,CAULKING,GREY,LOC:8,EXTERIOR **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH47 **Collected:** 2026/04/10
Sample ID: S0031A WALL,STUCCO,BENEATH WINDOWS,LOC:8,EXTERIOR **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH48 **Collected:** 2026/04/10
Sample ID: S0031B WALL,STUCCO,BENEATH WINDOWS,LOC:8,EXTERIOR **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH49 **Collected:** 2026/04/10
Sample ID: S0031C WALL,STUCCO,BENEATH WINDOWS,LOC:8,EXTERIOR **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH50 **Collected:** 2026/04/10
Sample ID: S0032A STRUCTURE,WINDOW FRAME,CAULKING,WHITE,LOC:9,EXTERIOR BY KINDERGARTEN **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH51 **Collected:** 2026/04/10
Sample ID: S0032B STRUCTURE,WINDOW FRAME,CAULKING,WHITE,LOC:9,EXTERIOR BY KINDERGARTEN **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

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TEST SUMMARY

Bureau Veritas ID: BBQH52 **Collected:** 2026/04/10
Sample ID: S0032C STRUCTURE,WINDOW FRAME,CAULKING,WHITE,LOC:9,EXTERIOR BY KINDERGARTENS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH53 **Collected:** 2026/04/10
Sample ID: S0033A STRUCTURE,WINDOW,PUTTY,BUTYL,LOC:9,EXTERIOR BY KINDERGARTENS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH54 **Collected:** 2026/04/10
Sample ID: S0033B STRUCTURE,WINDOW,PUTTY,BUTYL,LOC:9,EXTERIOR BY KINDERGARTENS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH54 Dup **Collected:** 2026/04/10
Sample ID: S0033B STRUCTURE,WINDOW,PUTTY,BUTYL,LOC:9,EXTERIOR BY KINDERGARTENS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH55 **Collected:** 2026/04/10
Sample ID: S0033C STRUCTURE,WINDOW,PUTTY,BUTYL,LOC:9,EXTERIOR BY KINDERGARTENS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131703	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH56 **Collected:** 2026/04/10
Sample ID: S0034A WALL,CEMENT PRODUCT,TRANSITE BOARD,LOC:9,EXTERIOR BY KINDERGARTENS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131704	N/A	2026/04/13	Rayana De Oliveira Cardoso

Bureau Veritas ID: BBQH57 **Collected:** 2026/04/10
Sample ID: S0034B WALL,CEMENT PRODUCT,TRANSITE BOARD,LOC:9,EXTERIOR BY KINDERGARTENS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131704	N/A	2026/04/13	Rayana De Oliveira Cardoso

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

Bureau Veritas Job #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

TEST SUMMARY

Bureau Veritas ID: BBQH58 **Collected:** 2026/04/10
Sample ID: S0034C WALL,CEMENT PRODUCT,TRANSITE BOARD,LOC:9,EXTERIOR BY KINDERGARTENS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A131704	N/A	2026/04/13	Rayana De Oliveira Cardoso

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

GENERAL COMMENTS

Results relate only to the items tested.

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Bureau Veritas Job #: C637664
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON , ON
Sampler Initials: JP

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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C637664
2026/04/10 12:15

NONT-2026-04-1926

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

Special Instructions:

Client Name:	HWDSB			**Project Address:**	80 Currie St, Hamilton, ON		
Portfolio/Building No:				**Pinchin File:**	368258.008		
Submitted by:	Joshua Park			**Email:**	jkpark@Pinchin.com		
CC Email:	jcozzitorto@pinchin.com			**CC Email:**			
Date Submitted:	April	10	2026	**Required by:**	April	13	2026
# of Samples:	46			**Priority:**	Rush Turnaround		
Year of Building Construction (*Mandatory, Years ONLY*):							
Do NOT Stop on Positive (Sample Numbers):							
Pinchin Group Company (*Mandatory Field*):				Pinchin			
HMIS2 Building Reference #:				162873/20263998069877			
To be Completed by Lab Personnel Only:							
Lab Reference #:				**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	0021	A	Duct,Tar,Tar Paper,Loc:1670,Kindergarten Classroom 1
S	0021	B	Duct,Tar,Tar Paper,Loc:1670,Kindergarten Classroom 1
S	0021	C	Duct,Tar,Tar Paper,Loc:1675,Kindergarten Classroom 2
S	0022	A	Wall,Cement Product,Transite Board,Loc:1670,Kindergarten Classroom 1
S	0022	B	Wall,Cement Product,Transite Board,Loc:1675,Kindergarten Classroom 2
S	0022	C	Wall,Cement Product,Transite Board,Loc:1,Offices
S	0023	A	Structure,Door Frame,Caulking,Brown,Loc:1670,Kindergarten Classroom 1
S	0023	B	Structure,Door Frame,Caulking,Brown,Loc:1670,Kindergarten Classroom 1

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Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0023	C	Structure,Door Frame,Caulking,Brown,Loc:1675,Kindergarten Classroom 2
S	0024	A	Structure,Window,Sealant,White,Loc:1670,Kindergarten Classroom 1
S	0024	B	Structure,Window,Sealant,White,Loc:1675,Kindergarten Classroom 2
S	0024	C	Structure,Window,Sealant,White,Loc:1,Offices
S	0025	A	Structure,Window,Sealant,Black,Loc:1670,Kindergarten Classroom 1
S	0025	B	Structure,Window,Sealant,Black,Loc:1670,Kindergarten Classroom 1
S	0025	C	Structure,Window,Sealant,Black,Loc:1675,Kindergarten Classroom 2
S	0026	A	Structure,Window Frame,Caulking,Grey,Loc:1670,Kindergarten Classroom 1
S	0026	B	Structure,Window Frame,Caulking,Grey,Loc:1670,Kindergarten Classroom 1
S	0026	C	Structure,Window Frame,Caulking,Grey,Loc:1675,Kindergarten Classroom 2
S	0027	A	Wall,Paint,White On Block,Loc:1670,Kindergarten Classroom 1
S	0027	B	Wall,Paint,White On Block,Loc:1675,Kindergarten Classroom 2
S	0027	C	Wall,Paint,White On Block,Loc:1,Offices
S	0027	D	Wall,Paint,White On Block,Loc:2,Classrooms And Library
S	0027	E	Wall,Paint,Blue On Block,Loc:3,Classrooms
S	0027	F	Wall,Paint,Blue On Block,Loc:3,Classrooms
S	0027	G	Wall,Paint,White On Block,Loc:4,Kindergartens

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0028	A	Structure,Window Frame,Caulking,Grey,Loc:1,Offices
S	0028	B	Structure,Window Frame,Caulking,Grey,Loc:2,Classrooms And Library
S	0028	C	Structure,Window Frame,Caulking,Grey,Loc:3,Classrooms
S	0029	A	Structure,Window,Putty,Butyl,Loc:8,Exterior
S	0029	B	Structure,Window,Putty,Butyl,Loc:8,Exterior
S	0029	C	Structure,Window,Putty,Butyl,Loc:8,Exterior
S	0030	A	Structure,Window Frame,Caulking,Grey,Loc:8,Exterior
S	0030	B	Structure,Window Frame,Caulking,Grey,Loc:8,Exterior
S	0030	C	Structure,Window Frame,Caulking,Grey,Loc:8,Exterior
S	0031	A	Wall,Stucco,Beneath Windows,Loc:8,Exterior
S	0031	B	Wall,Stucco,Beneath Windows,Loc:8,Exterior
S	0031	C	Wall,Stucco,Beneath Windows,Loc:8,Exterior
S	0032	A	Structure,Window Frame,Caulking,White,Loc:9,Exterior By Kindergartens
S	0032	B	Structure,Window Frame,Caulking,White,Loc:9,Exterior By Kindergartens
S	0032	C	Structure,Window Frame,Caulking,White,Loc:9,Exterior By Kindergartens
S	0033	A	Structure,Window,Putty,Butyl,Loc:9,Exterior By Kindergartens
S	0033	B	Structure,Window,Putty,Butyl,Loc:9,Exterior By Kindergartens

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0033	C	Structure,Window,Putty,Butyl,Loc:9,Exterior By Kindergartens
S	0034	A	Wall,Cement Product,Transite Board,Loc:9,Exterior By Kindergartens
S	0034	B	Wall,Cement Product,Transite Board,Loc:9,Exterior By Kindergartens
S	0034	C	Wall,Cement Product,Transite Board,Loc:9,Exterior By Kindergartens

Bulk Asbestos Analysis

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

NVLAP LAB CODE 200664-0

Customer: Pinchin Ltd.
151 York Boulevard Suite 200
Hamilton, ON L8R 3M2

Attn: Jessica Cozzitorto
Greg Forrest

Project: 352293.003

Lab Order ID: **10075999**
Analysis: PLM
Date Received: 02/26/2025
Date Reported: 03/05/2025

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
S0001A	Floor,Terrazzo,Loc:1681,Male Staff Washroom	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075999_0001					Crushed
S0001B	Floor,Terrazzo,Loc:1681,Male Staff Washroom	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075999_0002					Crushed
S0001C	Floor,Terrazzo,Loc:1680,Female Staff Washroom	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075999_0003					Crushed
S0002A	Piping,Parging Cement,Loc:1659,Lobby	**40% Chrysotile**	**20% Cellulose**	**40% Other**	Gray Fibrous Homogeneous
10075999_0004					Dissolved
S0002B	Piping,Parging Cement,Loc:1677,Stage	**Not Analyzed**			
10075999_0005					
S0002C	Piping,Parging Cement,Loc:1662,Corridor - Gym/Offices	**Not Analyzed**			
10075999_0006					
S0003A - A	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Blue,Loc:1676,Gymnasium	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10075999_0007	*floor tile*				Dissolved
S0003A - B	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Blue,Loc:1676,Gymnasium	**2% Chrysotile**		**98% Other**	Black Non-Fibrous Homogeneous
10075999_0067	*mastic*				Dissolved

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Patrick Yarnell (87)
Analyst

Approved Signatory

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

Bulk Asbestos Analysis

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

NVLAP LAB CODE 200664-0

Customer: Pinchin Ltd.
151 York Boulevard Suite 200
Hamilton, ON L8R 3M2

Attn: Jessica Cozzitorto
Greg Forrest

Project: 352293.003

Lab Order ID: **10075999**
Analysis: PLM
Date Received: 02/26/2025
Date Reported: 03/05/2025

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0003B - A	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Blue,Loc:1676,Gymnasium	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10075999_0008	*floor tile*				Dissolved
S0003B - B	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Blue,Loc:1676,Gymnasium	**Not Analyzed**			
10075999_0069	*mastic*				
S0003C - A	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Blue,Loc:1670,Kindergarten Classroom 1	**None Detected**		**100% Other**	Blue Non-Fibrous Homogeneous
10075999_0009	*floor tile-ashed*				Ashed
S0003C - B	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Blue,Loc:1670,Kindergarten Classroom 1	**Not Analyzed**			
10075999_0068	*mastic*				
S0004A	Wall,Mastic, Brown,Baseboard,Loc:1677, Stage	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10075999_0010					Dissolved
S0004B	Wall,Mastic, Brown,Baseboard,Loc:1678, Gym Storage	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10075999_0011					Dissolved
S0004C	Wall,Mastic, Brown,Baseboard,Loc:1679, Staff Kitchen	**None Detected**		**100% Other**	Brown Non-Fibrous Homogeneous
10075999_0012					Dissolved
S0005A	Wall,Masonry,White,Loc:1677,Stage	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0013					Ashed

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Patrick Yarnell (87)
Analyst

Approved Signatory

Bulk Asbestos Analysis

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

NVLAP LAB CODE 200664-0

Customer: Pinchin Ltd.
151 York Boulevard Suite 200
Hamilton, ON L8R 3M2

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Greg Forrest

Project: 352293.003

Lab Order ID: **10075999**
Analysis: PLM
Date Received: 02/26/2025
Date Reported: 03/05/2025

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
S0005B	Wall,Masonry,Light Blue,Loc:1678,Gym Storage	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0014					Ashed
S0005C	Wall,Masonry,Off-white,Loc:1679,Staff Kitchen	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0015					Ashed
S0005D	Wall,Paint,Cream On Block Wall,Loc:1670,Kindergarten Classroom 1	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0016					Ashed
S0005E	Wall,Paint,White On Green On Block,Loc:1699,Girls Washroom	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0017					Ashed
S0005F	Wall,Paint,Pink On Black On Block,Loc:1673,Girls Kindergarten Washroom 2	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0018					Ashed
S0005G	Wall,Paint,Pink On Black On Block,Loc:1673,Girls Kindergarten Washroom 2	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0019					Ashed
S0006A	Wall,Caulking,White,Loc:1677,Stage	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0020					Ashed
S0006B	Wall,Caulking,White,Loc:1677,Stage	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0021					Ashed

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Bulk Asbestos Analysis

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

NVLAP LAB CODE 200664-0

Customer: Pinchin Ltd.
151 York Boulevard Suite 200
Hamilton, ON L8R 3M2

Attn: Jessica Cozzitorto
Greg Forrest

Project: 352293.003

Lab Order ID: **10075999**
Analysis: PLM
Date Received: 02/26/2025
Date Reported: 03/05/2025

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0006C	Wall,Caulking,White,Loc:1677,Stage	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0022					Ashed
S0007A	Wall,Drywall And Joint Compound,Loc:1677,Stage	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0023					Crushed
S0007B	Wall,Drywall And Joint Compound,Loc:1678,Gym Storage	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0024					Crushed
S0007C	Wall,Drywall And Joint Compound,Loc:1687,Storage Closet	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0025					Crushed
S0008A - A	Floor,Vinyl Floor Tile And Mastic,9x9 Beige W Blue Streaks,Loc:1678,Gym Storage	**3% Chrysotile**		**97% Other**	Beige Non-Fibrous Homogeneous
10075999_0026	*floor tile*				Dissolved
S0008A - B	Floor,Vinyl Floor Tile And Mastic,9x9 Beige W Blue Streaks,Loc:1678,Gym Storage	**3% Chrysotile**		**97% Other**	Black Non-Fibrous Homogeneous
10075999_0070	*mastic*				Dissolved
S0008B - A	Floor,Vinyl Floor Tile And Mastic,9x9 Beige W Blue Streaks,Loc:1678,Gym Storage	**Not Analyzed**			
10075999_0027	*floor tile*				
S0008B - B	Floor,Vinyl Floor Tile And Mastic,9x9 Beige W Blue Streaks,Loc:1678,Gym Storage	**Not Analyzed**			
10075999_0071	*mastic*				

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Patrick Yarnell (87)
Analyst

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Bulk Asbestos Analysis

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

NVLAP LAB CODE 200664-0

Customer: Pinchin Ltd.
151 York Boulevard Suite 200
Hamilton, ON L8R 3M2

Attn: Jessica Cozzitorto
Greg Forrest

Project: 352293.003

Lab Order ID: **10075999**
Analysis: PLM
Date Received: 02/26/2025
Date Reported: 03/05/2025

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0008C - A	Floor,Vinyl Floor Tile And Mastic,9x9 Beige W Blue Streaks,Loc:1678,Gym Storage	**Not Analyzed**			
10075999_0028	*floor tile*				
S0008C - B	Floor,Vinyl Floor Tile And Mastic,9x9 Beige W Blue Streaks,Loc:1678,Gym Storage	**Not Analyzed**			
10075999_0072	*mastic*				
S0009A - A	Floor,Vinyl Floor Tile And Mastic,9x9 Tan W White Streaks,Loc:1679,Staff Kitchen	**2% Chrysotile**		**98% Other**	Tan Non-Fibrous Homogeneous
10075999_0029	*floor tile*				Dissolved
S0009A - B	Floor,Vinyl Floor Tile And Mastic,9x9 Tan W White Streaks,Loc:1679,Staff Kitchen	**3% Chrysotile**		**97% Other**	Black, Brown Non-Fibrous Homogeneous
10075999_0073	*mastic*				Dissolved
S0009B - A	Floor,Vinyl Floor Tile And Mastic,9x9 Tan W White Streaks,Loc:1679,Staff Kitchen	**Not Analyzed**			
10075999_0030	*floor tile*				
S0009B - B	Floor,Vinyl Floor Tile And Mastic,9x9 Tan W White Streaks,Loc:1679,Staff Kitchen	**Not Analyzed**			
10075999_0074	*mastic*				
S0009C - A	Floor,Vinyl Floor Tile And Mastic,9x9 Tan W White Streaks,Loc:1679,Staff Kitchen	**Not Analyzed**			
10075999_0031	*floor tile*				
S0009C - B	Floor,Vinyl Floor Tile And Mastic,9x9 Tan W White Streaks,Loc:1679,Staff Kitchen	**Not Analyzed**			
10075999_0075	*mastic*				

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Patrick Yarnell (87)
Analyst

Approved Signatory

Bulk Asbestos Analysis

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

NVLAP LAB CODE 200664-0

Customer: Pinchin Ltd.
151 York Boulevard Suite 200
Hamilton, ON L8R 3M2

Attn: Jessica Cozzitorto
Greg Forrest

Project: 352293.003

Lab Order ID: **10075999**
Analysis: PLM
Date Received: 02/26/2025
Date Reported: 03/05/2025

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
S0010A	Sink,Mastic, Silver,Loc:1679,Staff Kitchen	**3% Chrysotile**		**97% Other**	Black, Silver Non-Fibrous Homogeneous
10075999_0032					Dissolved
S0010B	Sink,Mastic, Silver,Loc:1670,Kindergarten Classroom 1	**Not Analyzed**			
10075999_0033					
S0010B	Sink,Mastic, Silver,Loc:1679,Staff Kitchen	**Not Submitted**			
10075999_0034	*duplicate on coc*				
S0010C	Sink,Mastic, Silver,Loc:1675,Kindergarten Classroom 2	**Not Analyzed**			
10075999_0035					
S0010C	Sink,Mastic, Silver,Loc:1679,Staff Kitchen	**Not Submitted**			
10075999_0036	*duplicate on coc*				
S0011A	Vinyl Sheet Flooring,Brown Square Pattern,Loc:1670,Kindergarten Classroom 1	**20% Chrysotile**		**80% Other**	Gray, Tan Fibrous Homogeneous
10075999_0037	*mastic inseparable*				Teased
S0011B	Vinyl Sheet Flooring,Brown Square Pattern,Loc:1670,Kindergarten Classroom 1	**Not Analyzed**			
10075999_0038	*mastic inseparable*				
S0011C	Vinyl Sheet Flooring,Brown Square Pattern,Loc:1670,Kindergarten Classroom 1	**Not Analyzed**			
10075999_0039	*mastic inseparable*				

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Patrick Yarnell (87)
Analyst

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Greg Forrest

Project: 352293.003

Lab Order ID: **10075999**
Analysis: PLM
Date Received: 02/26/2025
Date Reported: 03/05/2025

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0012A - A	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0040	*floor tile*				Dissolved
S0012A - B	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10075999_0076	*mastic 1*				Dissolved
S0012A - C	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10075999_0077	*mastic 2*				Dissolved
S0012B - A	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075999_0041	*floor tile*				Dissolved
S0012B - B	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10075999_0078	*mastic 1*				Dissolved
S0012B - C	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10075999_0079	*mastic 2*				Dissolved
S0012C - A	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10075999_0042	*floor tile - ashed*				Ashed
S0012C - B	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10075999_0080	*mastic 1*				Dissolved

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Patrick Yarnell (87)
Analyst

Approved Signatory

Bulk Asbestos Analysis

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

NVLAP LAB CODE 200664-0

Customer: Pinchin Ltd.
151 York Boulevard Suite 200
Hamilton, ON L8R 3M2

Attn: Jessica Cozzitorto
Greg Forrest

Project: 352293.003

Lab Order ID: **10075999**
Analysis: PLM
Date Received: 02/26/2025
Date Reported: 03/05/2025

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0012C - C	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten	**None Detected**		**100% Other**	Black Non-Fibrous Homogeneous
10075999_0081	*mastic 2*				Dissolved
S0013A - A	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Yellow,Loc:1675,Kindergarten Classroom 2	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10075999_0043	*floor tile*				Dissolved
S0013A - B	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Yellow,Loc:1675,Kindergarten Classroom 2	**5% Chrysotile**		**95% Other**	Black Non-Fibrous Homogeneous
10075999_0082	*mastic*				Dissolved
S0013B - A	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Yellow,Loc:1675,Kindergarten Classroom 2	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10075999_0044	*floor tile*				Dissolved
S0013B - B	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Yellow,Loc:1675,Kindergarten Classroom 2	**Not Analyzed**			
10075999_0083	*mastic*				
S0013C - A	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Yellow,Loc:1675,Kindergarten Classroom 2	**None Detected**		**100% Other**	Yellow Non-Fibrous Homogeneous
10075999_0045	*floor tile-ashed*				Dissolved
S0013C - B	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Yellow,Loc:1675,Kindergarten Classroom 2	**Not Analyzed**			
10075999_0084	*mastic*				
S0014A - A	Floor,Vinyl Floor Tile And Mastic,9x9 Red W White And Dark Red Streaka,Loc:1687,Storage Cl	**1% Chrysotile**		**99% Other**	Red Non-Fibrous Homogeneous
10075999_0046	*floor tile*				Dissolved

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Patrick Yarnell (87)
Analyst

Approved Signatory

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

Bulk Asbestos Analysis

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

NVLAP LAB CODE 200664-0

Customer: Pinchin Ltd.
151 York Boulevard Suite 200
Hamilton, ON L8R 3M2

Attn: Jessica Cozzitorto
Greg Forrest

Project: 352293.003

Lab Order ID: **10075999**
Analysis: PLM
Date Received: 02/26/2025
Date Reported: 03/05/2025

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0014A - B	Floor,Vinyl Floor Tile And Mastic,9x9 Red W White And Dark Red Streaka,Loc:1687,Storage Cl	**5% Chrysotile**		**95% Other**	Black Non-Fibrous Homogeneous
10075999_0085	*mastic*				Dissolved
S0014B - A	Floor,Vinyl Floor Tile And Mastic,9x9 Red W White And Dark Red Streaka,Loc:1687,Storage Cl	**Not Analyzed**			
10075999_0047	*floor tile*				
S0014B - B	Floor,Vinyl Floor Tile And Mastic,9x9 Red W White And Dark Red Streaka,Loc:1687,Storage Cl	**Not Analyzed**			
10075999_0086	*mastic*				
S0014C - A	Floor,Vinyl Floor Tile And Mastic,9x9 Red W White And Dark Red Streaka,Loc:1687,Storage Cl	**Not Analyzed**			
10075999_0048	*floor tile*				
S0014C - B	Floor,Vinyl Floor Tile And Mastic,9x9 Red W White And Dark Red Streaka,Loc:1687,Storage Cl	**Not Analyzed**			
10075999_0087	*mastic*				
S0015A	Wall,Cement Product,Transite Board,Loc:1699,Girls Washroom	**15% Chrysotile**		**85% Other**	Gray Non-Fibrous Homogeneous
10075999_0049					Dissolved
S0015B	Wall,Cement Product,Transite Board,Loc:1699,Girls Washroom	**Not Analyzed**			
10075999_0050					
S0015C	Wall,Cement Product,Transite Board,Loc:1699,Girls Washroom	**Not Analyzed**			
10075999_0051					

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Patrick Yarnell (87)
Analyst

Approved Signatory

Bulk Asbestos Analysis

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

NVLAP LAB CODE 200664-0

Customer: Pinchin Ltd.
151 York Boulevard Suite 200
Hamilton, ON L8R 3M2

Attn: Jessica Cozzitorto
Greg Forrest

Project: 352293.003

Lab Order ID: **10075999**
Analysis: PLM
Date Received: 02/26/2025
Date Reported: 03/05/2025

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0016A	Window Liner,Putty,Cementitious, Grey,Loc:1687,Storage Closet	**2% Chrysotile**		**98% Other**	Black Non-Fibrous Homogeneous
10075999_0052					Dissolved
S0016B	Window Liner,Putty,Cementitious, Grey,Loc:1687,Storage Closet	**Not Analyzed**			
10075999_0053					
S0016C	Window Liner,Putty,Cementitious, Grey,Loc:1687,Storage Closet	**Not Analyzed**			
10075999_0054					
S0017A	Wall,Door Frame,Caulking,Brown, Cementitious,Loc:1699,Girls Washroom	**3% Chrysotile**		**97% Other**	Brown Non-Fibrous Homogeneous
10075999_0055					Ashed
S0017B	Wall,Door Frame,Caulking,Brown, Cementitious,Loc:1699,Girls Washroom	**Not Analyzed**			
10075999_0056					
S0017C	Wall,Door Frame,Caulking,Brown, Cementitious,Loc:1699,Girls Washroom	**Not Analyzed**			
10075999_0057					
S0018A	Structure,Expansion Joint,Caulking,White,Loc:1670,Kindergarten Classroom 1	**2% Chrysotile**		**98% Other**	White Non-Fibrous Homogeneous
10075999_0058					Ashed
S0018B	Structure,Expansion Joint,Caulking,White,Loc:1670,Kindergarten Classroom 1	**Not Analyzed**			
10075999_0059					

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Patrick Yarnell (87)
Analyst

Approved Signatory

Bulk Asbestos Analysis

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

NVLAP LAB CODE 200664-0

Customer: Pinchin Ltd.
151 York Boulevard Suite 200
Hamilton, ON L8R 3M2

Attn: Jessica Cozzitorto
Greg Forrest

Project: 352293.003

Lab Order ID: **10075999**
Analysis: PLM
Date Received: 02/26/2025
Date Reported: 03/05/2025

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
S0018C	Structure,Expansion Joint,Caulking,White,Loc:1670,Kindergarten Classroom 1	**Not Analyzed**			
10075999_0060					
S0019A	Structure,Texture Coat,Loc:1659,Lobby	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075999_0061					Crushed
S0019B	Structure,Texture Coat,Loc:1659,Lobby	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075999_0062					Crushed
S0019C	Structure,Texture Coat,Loc:1659,Lobby	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075999_0063					Crushed
S0020A	Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W Lw Fissures,Loc:1685,Corridor - Gym/Classrooms	**None Detected**	**45% Mineral Wool** **45% Cellulose**	**10% Other**	Brown Fibrous Homogeneous
10075999_0064					Ashed
S0020B	Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W Lw Fissures,Loc:1685,Corridor - Gym/Classrooms	**None Detected**	**45% Mineral Wool** **45% Cellulose**	**10% Perlite**	Brown Fibrous Homogeneous
10075999_0065					Ashed
S0020C	Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W Lw Fissures,Loc:1685,Corridor - Gym/Classrooms	**None Detected**	**45% Cellulose** **45% Mineral Wool**	**10% Other**	Brown Fibrous Homogeneous
10075999_0066					Ashed

Patrick Yarnell (87)
Analyst

Approved Signatory

Analyzed by:

Reviewed by: 10075999

Report Sent by:

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

Special Instructions:

Client Name:				**Project Address:**	ON		
Portfolio/Building No:				**Pinchin File:**	352293.003		
Submitted by:	Greg Forrest			**Email:**	gforrest@pinchin.com		
CC Results to:	Jessica Cozitorto			**CC Email:**	jcozzitorto@pinchin.com		
Date Submitted:	February	24	2025	**Required by:**	March	4	2025
# of Samples:	66			**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 #:				146304/202511831305587			

To be Completed by Lab Personnel Only:

Lab Reference #:	FEB 25 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	0001	A	Floor,Terrazzo,Loc:1681,Male Staff Washroom
S	0001	B	Floor,Terrazzo,Loc:1681,Male Staff Washroom
S	0001	C	Floor,Terrazzo,Loc:1680,Female Staff Washroom
S	0002	A	Piping,Parging Cement,Loc:1659,Lobby
S	0002	B	Piping,Parging Cement,Loc:1677,Stage
S	0002	C	Piping,Parging Cement,Loc:1662,Corridor - Gym/Offices

Accepted

Rejected

B Shelley 2/26 10:30 am

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0003	A	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Blue,Loc:1676,Gymnasium
S	0003	B	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Blue,Loc:1676,Gymnasium
S	0003	C	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Blue,Loc:1670,Kindergarten Classroom 1
S	0004	A	Wall,Mastic, Brown,Baseboard,Loc:1677,Stage
S	0004	B	Wall,Mastic, Brown,Baseboard,Loc:1678,Gym Storage
S	0004	C	Wall,Mastic, Brown,Baseboard,Loc:1679,Staff Kitchen
S	0005	A	Wall,Paint,White,Loc:1677,Stage
S	0005	B	Wall,Paint,Light Blue,Loc:1678,Gym Storage
S	0005	C	Wall,Paint,Off-white,Loc:1679,Staff Kitchen
S	0005	D	Wall,Paint,Cream On Block Wall,Loc:1670,Kindergarten Classroom 1
S	0005	E	Wall,Paint,White On Green On Block,Loc:1699,Girls Washroom
S	0005	F	Wall,Paint,Pink On Black On Block,Loc:1673,Girls Kindergarten Washroom 2
S	0005	G	Wall,Paint,Pink On Black On Block,Loc:1673,Girls Kindergarten Washroom 2
S	0006	A	Wall,Caulking,White,Loc:1677,Stage
S	0006	B	Wall,Caulking,White,Loc:1677,Stage

10075999

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0006	C	Wall,Caulking,White,Loc:1677,Stage
S	0007	A	Wall,Drywall And Joint Compound,Loc:1677,Stage
S	0007	B	Wall,Drywall And Joint Compound,Loc:1678,Gym Storage
S	0007	C	Wall,Drywall And Joint Compound,Loc:1687,Storage Closet
S	0008	A	Floor,Vinyl Floor Tile And Mastic,9x9 Beige W Blue Streaks,Loc:1678,Gym Storage
S	0008	B	Floor,Vinyl Floor Tile And Mastic,9x9 Beige W Blue Streaks,Loc:1678,Gym Storage
S	0008	C	Floor,Vinyl Floor Tile And Mastic,9x9 Beige W Blue Streaks,Loc:1678,Gym Storage
S	0009	A	Floor,Vinyl Floor Tile And Mastic,9x9 Tan W White Streaks,Loc:1679,Staff Kitchen
S	0009	B	Floor,Vinyl Floor Tile And Mastic,9x9 Tan W White Streaks,Loc:1679,Staff Kitchen
S	0009	C	Floor,Vinyl Floor Tile And Mastic,9x9 Tan W White Streaks,Loc:1679,Staff Kitchen
S	0010	A	Sink,Mastic, Silver,Loc:1679,Staff Kitchen
S	0010	B	Sink,Mastic, Silver,Loc:1670,Kindergarten Classroom 1
S	0010	C	Sink,Mastic, Silver,Loc:1675,Kindergarten Classroom 2
S	0011	A	Vinyl Sheet Flooring,Brown Square Pattern,Loc:1670,Kindergarten Classroom 1
S	0011	B	Vinyl Sheet Flooring,Brown Square Pattern,Loc:1670,Kindergarten Classroom 1

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0011	C	Vinyl Sheet Flooring,Brown Square Pattern,Loc:1670,Kindergarten Classroom 1
S	0012	A	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten Classroom 1
S	0012	B	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten Classroom 1
S	0012	C	Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten Classroom 1
S	0013	A	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Yellow,Loc:1675,Kindergarten Classroom 2
S	0013	B	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Yellow,Loc:1675,Kindergarten Classroom 2
S	0013	C	Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Yellow,Loc:1675,Kindergarten Classroom 2
S	0014	A	Floor,Vinyl Floor Tile And Mastic,9x9 Red W White And Dark Red Streaka,Loc:1687,Storage Closet
S	0014	B	Floor,Vinyl Floor Tile And Mastic,9x9 Red W White And Dark Red Streaka,Loc:1687,Storage Closet
S	0014	C	Floor,Vinyl Floor Tile And Mastic,9x9 Red W White And Dark Red Streaka,Loc:1687,Storage Closet
S	0015	A	Wall,Cement Product,Transite Board,Loc:1699,Girls Washroom
S	0015	B	Wall,Cement Product,Transite Board,Loc:1699,Girls Washroom
S	0015	C	Wall,Cement Product,Transite Board,Loc:1699,Girls Washroom
S	0016	A	Window Liner,Putty,Cementitious, Grey,Loc:1687,Storage Closet
S	0016	B	Window Liner,Putty,Cementitious, Grey,Loc:1687,Storage Closet

10075999

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0016	C	Window Liner,Putty,Cementitious, Grey,Loc:1687,Storage Closet
S	0017	A	Wall,Door Frame,Caulking,Brown, Cementitious,Loc:1699,Girls Washroom
S	0017	B	Wall,Door Frame,Caulking,Brown, Cementitious,Loc:1699,Girls Washroom
S	0017	C	Wall,Door Frame,Caulking,Brown, Cementitious,Loc:1699,Girls Washroom
S	0018	A	Structure,Expansion Joint,Caulking,White,Loc:1670,Kindergarten Classroom 1
S	0018	B	Structure,Expansion Joint,Caulking,White,Loc:1670,Kindergarten Classroom 1
S	0018	C	Structure,Expansion Joint,Caulking,White,Loc:1670,Kindergarten Classroom 1
S	0019	A	Structure,Texture Coat,Loc:1659,Lobby
S	0019	B	Structure,Texture Coat,Loc:1659,Lobby
S	0019	C	Structure,Texture Coat,Loc:1659,Lobby
S	0020	A	Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W Lw Fissures,Loc:1685,Corridor - Gym/Classrooms
S	0020	B	Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W Lw Fissures,Loc:1685,Corridor - Gym/Classrooms
S	0020	C	Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W Lw Fissures,Loc:1685,Corridor - Gym/Classrooms

10015999

Version 1-15-2012

Client:	Pinchin Ltd.	***Instructions:***
Contact:	Greg Forrest	*Use Column "B" for your contact info*
Address:	ON	
Phone:		*To See an Example Click the bottom Example Tab.*
Fax:		
Email:	gforrest@pinchin.com jcozzitorto@pinchin.com	
		66
Project:	352293.003 Stop positive on all samples. Perform ashing on third vinyl floor tile if first two are ND.	***Begin Samples with a "<< "above the first sample***
Client Notes:		***and end with a ">>" below the last sample.*** *Only Enter your data on the first sheet "Sheet1"*
P.O. #:	352293.003	*Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.*
Date Submitted:	02-26-2025	
Analysis:	PLM BULK EPA 600	
TurnAroundTime:	Regular TAT	

Scientific Analytical Institute

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

Sample Number	Data 1 (Optional)	Sample Description	Data 2 (Optional)
<<			
S0001A		Floor,Terrazzo,Loc:1681,Male Staff Washroom	
S0001B		Floor,Terrazzo,Loc:1681,Male Staff Washroom	
S0001C		Floor,Terrazzo,Loc:1680,Female Staff Washroom	
S0002A		Piping,Parging Cement,Loc:1659,Lobby	
S0002B		Piping,Parging Cement,Loc:1677,Stage	
S0002C		Piping,Parging Cement,Loc:1662,Corridor - Gym/Offices	
S0003A		Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Blue,Loc:1676,Gymnasium	
S0003B		Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Blue,Loc:1676,Gymnasium	
S0003C		Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Blue,Loc:1670,Kindergarten Classroom 1	
S0004A		Wall,Mastic, Brown,Baseboard,Loc:1677,Stage	
S0004B		Wall,Mastic, Brown,Baseboard,Loc:1678,Gym Storage	
S0004C		Wall,Mastic, Brown,Baseboard,Loc:1679,Staff Kitchen	
S0005A		Wall,Masonry,White,Loc:1677,Stage	
S0005B		Wall,Masonry,Light Blue,Loc:1678,Gym Storage	
S0005C		Wall,Masonry,Off-white,Loc:1679,Staff Kitchen	
S0005D		Wall,Paint,Cream On Block Wall,Loc:1670,Kindergarten Classroom 1	
S0005E		Wall,Paint,White On Green On Block,Loc:1699,Girls Washroom	
S0005F		Wall,Paint,Pink On Black On Block,Loc:1673,Girls Kindergarten Washroom 2	
S0005G		Wall,Paint,Pink On Black On Block,Loc:1673,Girls Kindergarten Washroom 2	
S0006A		Wall,Caulking,White,Loc:1677,Stage	
S0006B		Wall,Caulking,White,Loc:1677,Stage	
S0006C		Wall,Caulking,White,Loc:1677,Stage	
S0007A		Wall,Drywall And Joint Compound,Loc:1677,Stage	
S0007B		Wall,Drywall And Joint Compound,Loc:1678,Gym Storage	
S0007C		Wall,Drywall And Joint Compound,Loc:1687,Storage Closet	
S0008A		Floor,Vinyl Floor Tile And Mastic,9x9 Beige W Blue Streaks,Loc:1678,Gym Storage	
S0008B		Floor,Vinyl Floor Tile And Mastic,9x9 Beige W Blue Streaks,Loc:1678,Gym Storage	
S0008C		Floor,Vinyl Floor Tile And Mastic,9x9 Beige W Blue Streaks,Loc:1678,Gym Storage	
S0009A		Floor,Vinyl Floor Tile And Mastic,9x9 Tan W White Streaks,Loc:1679,Staff Kitchen	
S0009B		Floor,Vinyl Floor Tile And Mastic,9x9 Tan W White Streaks,Loc:1679,Staff Kitchen	
S0009C		Floor,Vinyl Floor Tile And Mastic,9x9 Tan W White Streaks,Loc:1679,Staff Kitchen	
S0010A		Sink,Mastic, Silver,Loc:1679,Staff Kitchen	
S0010B		Sink,Mastic, Silver,Loc:1670,Kindergarten Classroom 1	
S0010B		Sink,Mastic, Silver,Loc:1679,Staff Kitchen	
S0010C		Sink,Mastic, Silver,Loc:1675,Kindergarten Classroom 2	
S0010C		Sink,Mastic, Silver,Loc:1679,Staff Kitchen	
S0011A		Vinyl Sheet Flooring,Brown Square Pattern,Loc:1670,Kindergarten Classroom 1	
S0011B		Vinyl Sheet Flooring,Brown Square Pattern,Loc:1670,Kindergarten Classroom 1	
S0011C		Vinyl Sheet Flooring,Brown Square Pattern,Loc:1670,Kindergarten Classroom 1	
S0012A		Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten Classroom 1	
S0012B		Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten Classroom 1	
S0012C		Floor,Vinyl Floor Tile And Mastic,12x12 Beige W Brown Fleck,Loc:1670,Kindergarten Classroom 1	
S0013A		Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Yellow,Loc:1675,Kindergarten Classroom 2	
S0013B		Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Yellow,Loc:1675,Kindergarten Classroom 2	
S0013C		Floor,Vinyl Floor Tile And Mastic,12x12 Mottled Yellow,Loc:1675,Kindergarten Classroom 2	
S0014A		Floor,Vinyl Floor Tile And Mastic,9x9 Red W White And Dark Red Streaka,Loc:1687,Storage Closet	
S0014B		Floor,Vinyl Floor Tile And Mastic,9x9 Red W White And Dark Red Streaka,Loc:1687,Storage Closet	
S0014C		Floor,Vinyl Floor Tile And Mastic,9x9 Red W White And Dark Red Streaka,Loc:1687,Storage Closet	
S0015A		Wall,Cement Product,Transite Board,Loc:1699,Girls Washroom	
S0015B		Wall,Cement Product,Transite Board,Loc:1699,Girls Washroom	
S0015C		Wall,Cement Product,Transite Board,Loc:1699,Girls Washroom	
S0016A		Window Liner,Putty,Cementitious, Grey,Loc:1687,Storage Closet	
S0016B		Window Liner,Putty,Cementitious, Grey,Loc:1687,Storage Closet	

10075999

S0016C	Window Liner,Putty,Cementitious, Grey,Loc:1687,Storage Closet
S0017A	Wall,Door Frame,Caulking,Brown, Cementitious,Loc:1699,Girls Washroom
S0017B	Wall,Door Frame,Caulking,Brown, Cementitious,Loc:1699,Girls Washroom
S0017C	Wall,Door Frame,Caulking,Brown, Cementitious,Loc:1699,Girls Washroom
S0018A	Structure,Expansion Joint,Caulking,White,Loc:1670,Kindergarten Classroom 1
S0018B	Structure,Expansion Joint,Caulking,White,Loc:1670,Kindergarten Classroom 1
S0018C	Structure,Expansion Joint,Caulking,White,Loc:1670,Kindergarten Classroom 1
S0019A	Structure,Texture Coat,Loc:1659,Lobby
S0019B	Structure,Texture Coat,Loc:1659,Lobby
S0019C	Structure,Texture Coat,Loc:1659,Lobby
S0020A	Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W Lw Fissures,Loc:1685,Corridor - Gym/Classrooms
S0020B	Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W Lw Fissures,Loc:1685,Corridor - Gym/Classrooms
S0020C	Ceiling,Ceiling Tiles (lay-in),24x48 Pinhole W Lw Fissures,Loc:1685,Corridor - Gym/Classrooms

>>

APPENDIX II-B

Lead Analytical Certificates

Your Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON
Your C.O.C. #: NA

Attention: Jessica Cozzitorto

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

Report Date: 2026/04/13
Report #: R8723065
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C637659
Received: 2026/04/10, 12:20

Sample Matrix: Bulk
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Metals in Paint	3	2026/04/13	2026/04/13	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.

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

Your Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON
Your C.O.C. #: NA

Attention: Jessica Cozzitorto

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

Report Date: 2026/04/13
Report #: R8723065
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C637659
Received: 2026/04/10, 12:20

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Elora Di Bratto, Project Manager
Email: Elora.Di-Bratto@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 #: C637659
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON
Sampler Initials: JP

ELEMENTS BY ATOMIC SPECTROSCOPY (BULK)

Bureau Veritas ID		BBQH04			BBQH05			
Sampling Date								
COC Number		NA			NA			
	UNITS	L0006, WALL, CONCRETE (PRECAST), BLUE ON BLOCK,LOC:3,CLASSROOMS	RDL	MDL	L0007, WALL, METAL, BLUE ON PANELS,LOC:9,EXTERIOR BY KINDERGARTENS	RDL	MDL	QC Batch
Metals								
Lead (Pb)	%	0.015	0.00010	0.000030	0.068	0.00026	0.000078	A131550

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		BBQH06			
Sampling Date					
COC Number		NA			
	UNITS	L0008, WALL, WOOD, WHITE ON WOOD,LOC:9,EXTERIOR BY KINDERGARTENS	RDL	MDL	QC Batch
Metals					
Lead (Pb)	%	0.36	0.0010	0.00030	A131550

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Bureau Veritas Job #: C637659
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON
Sampler Initials: JP

TEST SUMMARY

Bureau Veritas ID: BBQH04 **Collected:**
Sample ID: L0006, WALL, CONCRETE (PRECAST), BLUE ON BLOCK,LOC:3,CLASSROOMS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	A131550	2026/04/13	2026/04/13	Medhat Nasr

Bureau Veritas ID: BBQH05 **Collected:**
Sample ID: L0007, WALL, METAL, BLUE ON PANELS,LOC:9,EXTERIOR BY KINDERGARTENS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	A131550	2026/04/13	2026/04/13	Medhat Nasr

Bureau Veritas ID: BBQH06 **Collected:**
Sample ID: L0008, WALL, WOOD, WHITE ON WOOD,LOC:9,EXTERIOR BY KINDERGARTENS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	A131550	2026/04/13	2026/04/13	Medhat Nasr

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

Bureau Veritas Job #: C637659
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON
Sampler Initials: JP

GENERAL COMMENTS

Sample BBQH05 [L0007, WALL, METAL, BLUE ON PANELS,LOC:9,EXTERIOR BY KINDERGARTENS] : Metals Analysis: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.

Results relate only to the items tested.

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Bureau Veritas Job #: C637659
Report Date: 2026/04/13

QUALITY ASSURANCE REPORT

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON
Sampler Initials: JP

			Matrix Spike		Method Blank		RPD		QC Standard	
QC Batch	**Parameter**	**Date**	**% Recovery**	**QC Limits**	**Value**	**UNITS**	**Value (%)**	**QC Limits**	**% Recovery**	**QC Limits**
A131550	Lead (Pb)	2026/04/13	152 (1)	75 - 125	<0.00010	%	18	35	100	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.

(1) Matrix Spike exceeds acceptance limits, probable matrix interference

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Bureau Veritas Job #: C637659
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON
Sampler Initials: JP

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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C637659
2026/04/10 12:20

NONT-2026-04-1934

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 #:	☐ Regular TAT (5-7 days) Most analyses
Contact Name: Joshua Park	Contact Name:	P.O. #/ AFE#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address:	Address:	Project #: 368258.008	Rush TAT (Surcharges will be applied)
Phone: Fax:	Phone: Fax:	Site Location: 80 Currie St, Hamilton	☒ 1 Day ☐ 2 Days ☐ 3-4 Days
Email: jkpark@pinchin.com jcozzitorto@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: _____ Joshua Park	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
L0006, Wall, Concrete (precast), Blue On Block,Loc:3,Classroo			BULK									X		
L0007, Wall, Metal, Blue On Panels,Loc:9,Exterior By Kinderga			BULK									X		
L0008, Wall, Wood, White On Wood,Loc:9,Exterior By Kinderg			BULK									X		

LABORATORY USE ONLY		
CUSTODY SEAL Y / (N)		COOLER TEMPERATURES
Present	Intact	
		NA

COOLING MEDIA PRESENT: Y / (N)

COMMENTS

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #
Joshua Park	(2026/04/10)		[signature]	2026/04/10	12:20	

Your Project #: 352293.003
Your C.O.C. #: N/A

Attention: Greg Forrest

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

Report Date: 2025/03/03
Report #: R8496105
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C521618
Received: 2025/02/25, 14:31

Sample Matrix: Paint
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Metals in Paint	5	2025/03/03	2025/03/03	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 #: 352293.003
Your C.O.C. #: N/A

Attention: Greg Forrest

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

Report Date: 2025/03/03
Report #: R8496105
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C521618
Received: 2025/02/25, 14:31

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 #: C521618
Report Date: 2025/03/03

Pinchin Ltd
Client Project #: 352293.003
Sampler Initials: GF

ELEMENTS BY ATOMIC SPECTROSCOPY (PAINT)

Bureau Veritas ID		AOMA48			AOMA49			
Sampling Date		2025/02/18			2025/02/18			
COC Number		N/A			N/A			
	UNITS	L0001, WALL, MASONRY, WHITE,LOC:1677,STAGE	RDL	MDL	L0002, WALL, MASONRY, LIGHT BLUE,LOC:1678,GYM STORAGE	RDL	MDL	QC Batch
Metals								
Lead (Pb)	%	0.0073	0.00069	0.00021	0.0015	0.00061	0.00018	9883862

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AOMA50			AOMA51			
Sampling Date		2025/02/18			2025/02/18			
COC Number		N/A			N/A			
	UNITS	L0003, WALL, MASONRY, OFF-WHITE,LOC:1679, STAFF KITCHEN	RDL	MDL	L0004, WALL, MASONRY, CREAM,LOC:1670,KINDERGARTEN CLASSROOM	RDL	MDL	QC Batch
Metals								
Lead (Pb)	%	0.00080	0.00069	0.00021	0.032	0.0011	0.00033	9883862

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		AOMA52			
Sampling Date		2025/02/18			
COC Number		N/A			
	UNITS	L0005, WALL, MASONRY, WHITE ON GREEN ON BLOCK,LOC:1699,G	RDL	MDL	QC Batch
Metals					
Lead (Pb)	%	0.034	0.00078	0.00023	9883862

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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

Bureau Veritas Job #: C521618
Report Date: 2025/03/03

Pinchin Ltd
Client Project #: 352293.003
Sampler Initials: GF

TEST SUMMARY

Bureau Veritas ID: AOMA48 **Collected:** 2025/02/18
Sample ID: L0001, WALL, MASONRY, WHITE,LOC:1677,STAGE **Shipped:**
Matrix: Paint **Received:** 2025/02/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9883862	2025/03/03	2025/03/03	Thuy Linh Nguyen

Bureau Veritas ID: AOMA49 **Collected:** 2025/02/18
Sample ID: L0002, WALL, MASONRY, LIGHT BLUE,LOC:1678,GYM STORAGE **Shipped:**
Matrix: Paint **Received:** 2025/02/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9883862	2025/03/03	2025/03/03	Thuy Linh Nguyen

Bureau Veritas ID: AOMA50 **Collected:** 2025/02/18
Sample ID: L0003, WALL, MASONRY, OFF-WHITE,LOC:1679, STAFF KITCHEN **Shipped:**
Matrix: Paint **Received:** 2025/02/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9883862	2025/03/03	2025/03/03	Thuy Linh Nguyen

Bureau Veritas ID: AOMA51 **Collected:** 2025/02/18
Sample ID: L0004, WALL, MASONRY, CREAM,LOC:1670,KINDERGARTEN CLASSROOM **Shipped:**
Matrix: Paint **Received:** 2025/02/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9883862	2025/03/03	2025/03/03	Thuy Linh Nguyen

Bureau Veritas ID: AOMA52 **Collected:** 2025/02/18
Sample ID: L0005, WALL, MASONRY, WHITE ON GREEN ON BLOCK,LOC:1699,G **Shipped:**
Matrix: Paint **Received:** 2025/02/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	9883862	2025/03/03	2025/03/03	Thuy Linh Nguyen

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

GENERAL COMMENTS

Sample AOMA48 [L0001, WALL, MASONRY, WHITE,LOC:1677,STAGE] : Metals Analysis: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.

Sample AOMA49 [L0002, WALL, MASONRY, LIGHT BLUE,LOC:1678,GYM STORAGE] : Metals Analysis: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.

Sample AOMA50 [L0003, WALL, MASONRY, OFF-WHITE,LOC:1679, STAFF KITCHEN] : Metals Analysis: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.

Sample AOMA51 [L0004, WALL, MASONRY, CREAM,LOC:1670,KINDERGARTEN CLASSROOM] : Metals Analysis: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.

Sample AOMA52 [L0005, WALL, MASONRY, WHITE ON GREEN ON BLOCK,LOC:1699,G] : Metals Analysis: Due to limited amount of sample available for analysis, a smaller than usual portion of the sample was used. Detection limits were adjusted accordingly.

Results relate only to the items tested.

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

Bureau Veritas Job #: C521618
Report Date: 2025/03/03

QUALITY ASSURANCE REPORT

Pinchin Ltd
Client Project #: 352293.003
Sampler Initials: GF

			Matrix Spike		Method Blank		RPD		QC Standard	
QC Batch	**Parameter**	**Date**	**% Recovery**	**QC Limits**	**Value**	**UNITS**	**Value (%)**	**QC Limits**	**% Recovery**	**QC Limits**
9883862	Lead (Pb)	2025/03/03	97	75 - 125	<0.00010	%	3.1	35	105	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.

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

Bureau Veritas Job #: C521618
Report Date: 2025/03/03

Pinchin Ltd
Client Project #: 352293.003
Sampler Initials: GF

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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BUREAU VERITAS

6740 Campobello Road, Mississauga, Ont
Phone: 905-817-5700 Fax: 905-817-57
CAM FCD-01191/6

NONT-2025-02-5082

CHAIN OF CUSTODY RECORD

Page _____ of _____

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: Greg Forrest; Jess Cozzitorto	Contact Name:	P.O. #/ AFE#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address:	Address:	Project #: 352293.003	Rush TAT (Surcharges will be applied)
Phone: Fax:	Phone: Fax:	Site Location:	☐ 1 Day ☐ 2 Days ☐ 3-4 Days
Email: gforrest@pinchin.com; jcozzitorto@pinchin.com	Email:	Site #:	
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	Date Required: 04-Mar-25
		Sampled By: _____ Greg Forrest	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
L0001, Wall, Masonry, White,Loc:1677,Stage	2025-02-18		BULK									X		
L0002, Wall, Masonry, Light Blue,Loc:1678,Gym Storage	2025-02-18		BULK									X		
L0003, Wall, Masonry, Off-white,Loc:1679,Staff Kitchen	2025-02-18		BULK									X		
L0004, Wall, Masonry, Cream,Loc:1670,Kindergarten Classro	2025-02-18		BULK									X		
L0005, Wall, Masonry, White On Green On Block,Loc:1699,G	2025-02-18		BULK									X		

LABORATORY USE ONLY

CUSTODY SEAL Y / N		COOLER TEMPERATURES
Present	Intact	
✓	✓	

COOLING MEDIA PRESENT: Y / (N)

COMMENTS

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #
Greg Forrest	2025-02-24				1431	

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

C521618
2025/02/25 14:31

APPENDIX II-C

PCB Analytical Certificates

Your Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON
Your C.O.C. #: NA

Attention: Jessica Cozzitorto

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

Report Date: 2026/04/13
Report #: R8722923
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C637660
Received: 2026/04/10, 12:20

Sample Matrix: Bulk
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Polychlorinated Biphenyl in Solids (1)	2	2026/04/11	2026/04/11	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.

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

Your Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON
Your C.O.C. #: NA

Attention: Jessica Cozzitorto

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

Report Date: 2026/04/13
Report #: R8722923
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C637660
Received: 2026/04/10, 12:20

Encryption Key

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

==========

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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 #: C637660
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON
Sampler Initials: JP

POLYCHLORINATED BIPHENYLS BY GC-ECD (BULK)

Bureau Veritas ID		BBQH07	BBQH08			
Sampling Date						
COC Number		NA	NA			
	UNITS	P0001, BUTYL,LOC:9,EXTERIOR BY KINDERGARTENS	P0002, CAULKING,LOC:9,EXTERIOR BY KINDERGARTENS	RDL	MDL	QC Batch
PCBs						
Aroclor 1262	ug/g	<0.1	<0.1	0.1	0.1	A131241
Aroclor 1016	ug/g	<0.1	<0.1	0.1	0.1	A131241
Aroclor 1221	ug/g	<0.1	<0.1	0.1	0.1	A131241
Aroclor 1232	ug/g	<0.1	<0.1	0.1	0.1	A131241
Aroclor 1242	ug/g	<0.1	<0.1	0.1	0.1	A131241
Aroclor 1248	ug/g	<0.1	<0.1	0.1	0.1	A131241
Aroclor 1254	ug/g	3.5	0.8	0.1	0.1	A131241
Aroclor 1260	ug/g	<0.1	0.8	0.1	0.1	A131241
Aroclor 1268	ug/g	<0.1	<0.1	0.1	0.1	A131241
Total PCB	ug/g	3.5	1.7	0.1	0.1	A131241
Surrogate Recovery (%)						
Decachlorobiphenyl	%	88	88			A131241

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C637660
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON
Sampler Initials: JP

TEST SUMMARY

Bureau Veritas ID: BBQH07 **Collected:**
Sample ID: P0001, BUTYL,LOC:9,EXTERIOR BY KINDERGARTENS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Polychlorinated Biphenyl in Solids	GC/ECD	A131241	2026/04/11	2026/04/11	Harish Patel

Bureau Veritas ID: BBQH08 **Collected:**
Sample ID: P0002, CAULKING,LOC:9,EXTERIOR BY KINDERGARTENS **Shipped:**
Matrix: Bulk **Received:** 2026/04/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Polychlorinated Biphenyl in Solids	GC/ECD	A131241	2026/04/11	2026/04/11	Harish Patel

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GENERAL COMMENTS

PCB analysis:Values were calculated on a wet weight basis.

Results relate only to the items tested.

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Bureau Veritas Job #: C637660
Report Date: 2026/04/13

QUALITY ASSURANCE REPORT

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON
Sampler Initials: JP

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
A131241	Decachlorobiphenyl	2026/04/11	94	30 - 130	111	30 - 130	125	%		
A131241	Aroclor 1016	2026/04/11					<0.1	ug/g		
A131241	Aroclor 1221	2026/04/11					<0.1	ug/g		
A131241	Aroclor 1232	2026/04/11					<0.1	ug/g		
A131241	Aroclor 1242	2026/04/11					<0.1	ug/g		
A131241	Aroclor 1248	2026/04/11					<0.1	ug/g		
A131241	Aroclor 1254	2026/04/11					<0.1	ug/g		
A131241	Aroclor 1260	2026/04/11	79	30 - 130	104	30 - 130	<0.1	ug/g	3.7	50
A131241	Aroclor 1262	2026/04/11					<0.1	ug/g		
A131241	Aroclor 1268	2026/04/11					<0.1	ug/g		
A131241	Total PCB	2026/04/11	79	30 - 130	104	30 - 130	<0.1	ug/g	3.7	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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Bureau Veritas Job #: C637660
Report Date: 2026/04/13

Pinchin Ltd
Client Project #: 368258.008
Site Location: 80 CURRIE ST, HAMILTON
Sampler Initials: JP

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

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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C637660
2026/04/10 12:20

RUSH!

NONT-2026-04-1929

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

RECORD

Invoice Information	Report Information (if differs from invoice)	Project Information (if applicable)	Turnaround Time (TAT) Required
Company Name: Pinchin Ltd.	Company Name:	Quotation #:	☐ Regular TAT (5-7 days) Most analyses
Contact Name: Joshua Park	Contact Name:	P.O. #/ AFE#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address:	Address:	Project #: 368258.008	Rush TAT (Surcharges will be applied)
		Site Location: 80 Currie St, Hamilton	☒ 1 Day ☐ 2 Days ☐ 3-4 Days
Phone: Fax:	Phone: Fax:	Site #:	
Email: jkpark@pinchin.com jcozzitorto@pinchin.com	Email:	Site Location Province: _____ ON	Date Required:
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY		Sampled By: _____ Joshua Park	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 (Present / Intact)

COOLER TEMPERATURES: NA

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
P0001, Butyl,Loc:9,Exterior By Kindergartens			BULK										X		
P0002, Caulking,Loc:9,Exterior By Kindergartens			BULK										X		

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #
Joshua Park	(2026/04/10)			2026/04/10	12:20	

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, Prince Edward Island, Newfound and Labrador	1%	1%
Yukon, Nunavut, Northwest Territories	1%	1%
Federal	1%	1%

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

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

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).

For a complete description of the Evaluation Criteria and Basis of Recommendations, refer to Annex A.

[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.

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	0.1	1,000
Nova Scotia	0.009	90
New Brunswick	0.009	90
Prince Edward Island	0.009	90
Newfoundland	0.009	90
Yukon	0.009	90
Nunavut, Northwest Territories	0.1	1,000
Federal	**0.009**	**90**

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

** WorkSafe BC and Saskatchewan occupational 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, May 16, 2025

METHODOLOGY ANNEX A EVALUATION CRITERIA

1.0 EVALUATION CRITERIA AND BASIS OF RECOMMENDATIONS

The detailed asbestos assessment provides information regarding the location, condition, accessibility and friability of the asbestos-containing materials (ACM). In order to make recommendations for compliance with current regulations, Pinchin developed the following criteria.

2.0 EVALUATION OF CONDITION

2.1 Friable Sprayed or Trowelled Fireproofing, Thermal Insulation and Texture Finishes (Surfacing Materials)

To evaluate the condition of ACM sprayed or trowelled on fireproofing, sprayed or trowelled thermal insulation (non-mechanical), or texture, decorative or acoustic finishes, the following criteria are applied:

Good	Surface of material shows no significant signs of damage, deterioration or delamination. Good condition includes unencapsulated or unpainted fireproofing or texture finishes, where no or limited delamination or damage is observed, or encapsulated fireproofing or texture finishes where the encapsulant or paint has been applied after the damage or fallout occurred.
Poor	A sprayed material that shows signs of significant damage or is significantly delaminating or deteriorating. This may be limited to surface delamination or some portion of the substrate may be exposed.

In Locations where damage exists in isolated areas, both good and poor condition may be applicable. The extent of each condition will be recorded. Fair condition is not utilized in the evaluation of ACM sprayed or trowelled fireproofing, sprayed or trowelled thermal insulation (non-mechanical), or texture, decorative or acoustic finishes.

The evaluation of the above products above ceilings may be limited by the number of observations and by building components such as ducts or full height walls that obstruct the above ceiling observations.

2.2 Friable Mechanical or Thermal System Insulation (TSI)

To evaluate the condition of mechanical insulation on vessels, boilers, breeching, ducts, pipes, fan units, equipment etc. the following criteria are applied:

Good	Insulation is completely covered in jacketing and exhibits no evidence of damage or deterioration. No insulation is exposed. Includes conditions where the jacketing has minor damage (i.e. scuffs or stains), but the jacketing is not penetrated.

Fair	Minor penetrating damage to jacketed insulation (cuts, tears, nicks, deterioration or delamination) or undamaged insulation that has never been jacketed. Insulation is exposed but not showing surface disintegration. The extent of missing insulation ranges from minor to none. Damage can be repaired.
Poor	Original insulation jacket is missing, damaged, deteriorated or delaminated. Insulation is exposed and significant areas have been dislodged. Damage cannot be readily repaired. Includes components where insulation may have been removed incompletely.

The evaluation of mechanical insulation may be limited by the number of observations made and building components such as ducts or full height walls that obstruct observations. It is often not possible to observe each foot of mechanical insulation from all angles.

2.3 Potentially Friable Materials and Miscellaneous Friable Materials

Potentially friable ACM are products that are basically non-friable while in place but have the potential to generate friable dust upon removal or if significantly disturbed without appropriate procedures. These products may become friable if damaged. Potentially friable materials include materials such as acoustic ceiling tiles and plaster. To evaluate the condition of potentially friable materials, the following criteria are applied:

Good	No significant damage or deterioration. Still serving its intended use as a building material or finish.
Fair	Showing signs of some cracking or breakage, but is not deteriorating (e.g. cracked plaster, broken but in place ceiling tile, missing tile or section of plaster etc.). The condition is such that it is still serving its intended use as a building material or finish but may require repair for mainly cosmetic purposes.
Poor	Significant deterioration or breaking apart of the material. Material has deteriorated to the point it is not serving its intended use as building material or finish. Material has deteriorated to a point it has become friable. Normally potentially friable ACM in Poor condition is not repairable and requires at least localized removal and replacement.

2.4 Non-Friable Materials

Non-friable ACM cover a wide range of products with a wide variation in their tendency to release dust or asbestos fibres to the air. Many of these materials, (particularly where the matrix is an unweathered bitumen, asphalt or tar material) do not release fibres except in very unusual circumstances or during significant disturbance (e.g. use of abrasive power tools). Others with a cementitious matrix (asbestos-cement products) can more readily release dust due to abrasion, demolition, weathering, etc. The

potential for asbestos release from non-friable ACM is always lower than from friable ACM. To evaluate the condition of non-friable Materials, the following criteria are applied:

Good	No significant damage or deterioration. Still serving its intended use as a building material or finish.
Fair	Showing signs of some cracking or breakage but is not deteriorating (e.g. cracked vinyl floor tile, missing piece of tile or transite, etc.). The condition is such that it is still serving its intended use as a building material or finish but may require repair for mainly cosmetic purposes.
Poor	Significant deterioration or breaking apart of the material to the point at which it cannot be repaired, and it will require at least local removal. Material has deteriorated to the point it is not serving its intended use as building material or finish. Material may have deteriorated to a point where traffic or disturbance may cause it to become friable.

2.5 Evaluation of ACM Debris

The identification of the exact location or presence of debris on the top of ceiling tiles is limited by the number of observations made and the presence of building components such as ducts or full height walls that obstruct observations.

The presence of fallen or dislodged ACM is noted separately from the ACM source and is referred to as Debris. Debris may be friable if from a friable ACM source or a badly deteriorated non-friable ACM source. Debris may also be non-friable (such as fallen pieces of transite sheet or mastic fittings, or broken, dislodged floor tiles).

Debris	Debris may be friable or non-friable but is always identified as “debris” as the component of an observation and quantified as Poor condition.

2.6 Evaluation of Presumed Asbestos-Containing Material (PACM)

Presumed asbestos-containing materials (PACM), are building materials that may contain asbestos but were not sampled or analyzed due to inaccessibility or the need to perform destructive testing to obtain a reasonable sample set. Evaluation of these materials is based on the assumption that these PACM are asbestos-containing.

A list of PACM is provided in the report and they are generally not included in the detailed room by room reports. Typically, they are excluded because they are inaccessible or present in very small quantities. If PACM are evaluated, Pinchin uses the criteria that correspond with the type (and friability) of the material listed above.

3.0 EVALUATION OF ACCESSIBILITY

The accessibility of building materials known or suspected of being ACM is rated according to the following criteria:

Access (A)	Common areas of the building within reach of all building users (approximately 8 '-9' from floor or standard ceiling height). Includes other areas where occupant activities may result in disturbance of material that is not normally within reach from floor level, but may be disturbed by common activities (e.g. gymnasiums, workshops, warehouses.)
Access (B)	Areas of the building accessed primarily by Maintenance/Caretaking/Janitorial Staff and within reach without use of a ladder. Includes areas within reach in Boiler Rooms, Electrical Rooms, Janitors Closets, Elevator Rooms, Mechanical Rooms, etc. Includes materials within reach from fixed ladders or catwalks, mezzanines, and accessible pipe chases.
Access (C) and Visible	Areas of the building above 8' - 9' where use of a ladder or scaffold is required to reach the ACM. Only includes ACM that are visible to view without the removal or opening of other building components such as ceiling tiles or service access panels.
Access (C) and not Visible / Limited Visibility	Areas of the building above 8' - 9' where use of a ladder or scaffold is required to reach the ACM. Includes ACM that are not visible or partially visible to view and require the removal of a building component to see, such as ceilings tiles or access panels to view and access. Includes rarely entered crawl spaces, attic spaces, etc. Observations will be limited to the extent visible from the access points.
Access (D)	Areas of the building behind inaccessible solid ceiling systems, walls or equipment etc. where demolition of the ceiling, wall or equipment etc. is required to reach the ACM. Material inaccessible due to height or location or is only accessed under unusual situations. Evaluation of condition and extent of ACM is limited or impossible, depending on the surveyor's ability to visually examine materials in Access D.

4.0 ACTION MATRIX AND DEFINITIONS

Pinchin's evaluation of the viability of a specific asbestos control option is based on the consideration of the friability, condition, accessibility and visibility of a material. The logic used is that damaged ACM located in an area frequently accessed by all building occupants is of a higher priority than damaged ACM located in an infrequently accessed service area. The action matrix considers the potential for fibre release (primarily from friable ACM) and the possible concerns from regulatory bodies and many building occupants to all damaged ACM (including non-friable).

In any building with asbestos, many current regulations require an Asbestos Management Program be implemented. Depending on the condition and the accessibility, more active measures such as repair or removal may be recommended. The following matrix provides guidance for recommended Actions in the absence of renovation or demolition. In the event of construction or maintenance activity which will disturb ACM more aggressive control or removal will be required.

4.1 Action Matrix

The following tables outline the action decisions based on the relationship of assessed factors. Table I applies to friable ACM. Table II applies to non-friable ACM.

Table I Decision Matrix for Friable ACM

	Condition			
Access	**Good**	**Fair**	**Poor**	**Debris**
(A)	Action 5[1]	Action 5[2]	Action 3	Action 1
(B)	Action 7	Action 6[3]	Action 3	Action 1
(C) Visible	Action 7	Action 6	Action 3	Action 2
(C) Not Visible / Limited Visibility	Action 7	Action 7	Action 4	Action 2
(D)	Action 7	Action 7	Action 7	Action 7

Table II Decision Matrix for Potentially Friable and Non-Friable ACM

	Condition			
Access	**Good**	**Fair**	**Poor**	**Debris**
(A)	Action 7	Action 7[4]	Action 3	Action 1
(B)	Action 7	Action 7	Action 3	Action 1
(C) Visible	Action 7	Action 7	Action 4	Action 2
(C) Not Visible / Limited Visibility	Action 7	Action 7	Action 4	Action 2
(D)	Action 7	Action 7	Action 7	Action 7

[1] If friable ACM in access (A)/Good condition is not proactively removed Action 7 (Manage) is recommended.
[2] If friable ACM in access (A)/Fair condition is not proactively removed repair is recommended.
[3] If friable ACM in access (B)/Fair condition is likely to be disturbed after repair proactive removal is recommended.
[4] Action 7 is recommended for all non-friable ACM in Fair condition however some clients may wish to repair or take some action primarily for cosmetic reasons

4.2 Action Definitions

The following are the definitions in the Action Matrix Table presented above:

Action Definitions	
Action 1	Clean-Up of ACM Debris Restrict access that is likely to cause a disturbance of the ACM Debris and clean up ACM Debris. Utilize appropriate asbestos precautions.
Action 2	Precautions for Access Which may Disturb ACM Debris Use appropriate means to isolate the debris or to limit entry to the area which may disturb the material. At locations where ACM Debris can remain in place in lieu of removal or clean-up (e.g. Debris on top of ceiling tiles or behind lockable door), Utilize appropriate asbestos precautions to enter the area if this will disturb debris. The precautions will be required until the ACM Debris has been cleaned up.
Action 3	ACM Removal Remove ACM. Utilize asbestos procedures appropriate to the scope of the removal work. Until it is removed, restrict access to the material so it is not disturbed.
Action 4	Precautions for Work Which may Disturb ACM in Poor Condition. Utilize appropriate asbestos precautions if ACM may be disturbed by work on or near ACM. This does not require restricting access to the area, only control of work which may contact or disturb the ACM. Removal is the only viable option if work will disturb ACM.
Action 5	Proactive ACM Removal Remove friable ACM where the presence of friable asbestos in Good condition is not desirable. If friable ACM in Fair condition is not removed, then Repair friable ACM.
Action 6	ACM Repair Repair friable ACM in Fair condition which is not likely to be damaged again or disturbed by normal use of the area or room. Pinchin recommends proactive removal if friable ACM is likely to be damaged or disturbed during normal use of the area or room.
Action 7	Asbestos Management Program with Routine Surveillance Implement an Asbestos Management Program, including routine surveillance of ACM. Reassess materials regularly (typically once per year).

Master Template: Methodology Annex A to Appendix I Evaluation Criteria, HAZ, April 3, 2024

APPENDIX IV

Location Summary Report

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

LOCATIONS LIST

PINCHIN
1.855.PINCHIN www.pinchin.com

Client:HWDSB **Site: 80 Currie Street, Hamilton, ON**
Building Name: Richard Beasley Elementary School
Survey Date: **Last Re-Assessment:**
Building Phases: A:

Location No.	Name or Description	Area ft²	Floor No.	Bldg. Phase	Notes
1	Offices	0	1	A	
2	Classrooms And Library	0	1	A	
3	Classrooms	0	1	A	
4	Kindergartens	0	1	A	
5	Resources Room	0	1	A	
6	Staff Washroom	0	1	A	
7	Staff Room	0	1	A	
8	Exterior	0		A	
1670	Kindergarten Classroom 1, room no. 107	1100	1	A	
1675	Kindergarten Classroom 2, room no. 108	1100	1	A	

APPENDIX V

Hazardous Materials Summary Report / Sample Log

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

HAZARDOUS MATERIALS SUMMARY / SAMPLE LOG

PINCHIN
1.855.PINCHIN www.pinchin.com

Client:HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School** **Survey Date:**

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	V0002	Piping | | Parging Cement |	1670,1675	A	0	0	8	0	Chrysotile	Yes	F
Asbestos	S0003 C	Floor | | Vinyl Floor Tile And Mastic | 12x12 Mottled Blue	1670	A	0	184	0	0	Chrysotile	Yes	NF
Asbestos	S0005 D	Wall | | Paint | Cream On Block Wall	1670,1675	A	0	2300	0	0	None Detected	No	
Asbestos	S0010 BC	Other | Sink | Mastic, Silver |	1670,1675	A	0	0	2	0	Chrysotile	Yes	NF
Asbestos	S0011 ABC	Other | | Vinyl Sheet Flooring | Brown Square Pattern	1670,1675	A	0	92	0	0	Chrysotile	Yes	PF
Asbestos	S0012 ABC	Floor | | Vinyl Floor Tile And Mastic | 12x12 Beige W Brown Fleck	1670,1675	A	0	3576	0	0	None Detected	No	
Asbestos	S0013 ABC	Floor | | Vinyl Floor Tile And Mastic | 12x12 Mottled Yellow	1675	A	0	0	0	0	Chrysotile	Yes	NF
Asbestos	V0015	Wall | | Cement Product | Transite Board	1670,1675	A	0	24	0	0	Chrysotile	Yes	NF
Asbestos	S0018 ABC	Structure | Expansion Joint | Caulking | White	8,1670,1675	A	0	0	0	100	Chrysotile	Yes	NF
Asbestos	S0021 ABC	Duct | | Tar | Tar Paper	1670,1675	A	0	30	0	0	None Detected	No	
Asbestos	S0022 ABC	Wall | | Cement Product | Transite Board	1,2,3,4,5,6,7,8,1670,1675	A	0	144	0	100	Chrysotile	Yes	NF
Asbestos	S0023 ABC	Structure | Door Frame | Caulking | Brown	1670,1675	A	60	0	0	0	Chrysotile	Yes	NF
Asbestos	S0024 ABC	Structure | Window | Sealant | White	1,2,3,4,5,6,7,1670,1675	A	500	0	0	0	Chrysotile	Yes	NF
Asbestos	S0025 ABC	Structure | Window | Sealant | Black	1670,1675	A	100	0	0	0	Chrysotile	Yes	NF
Asbestos	S0026 ABC	Structure | Window Frame | Caulking | Grey	1670,1675	A	50	0	0	0	Chrysotile	Yes	NF
Asbestos	S0027 ABCDEF	Wall | | Paint | White On Block	1,2,3,4,5,6,7,1670,1675	A	0	0	0	100	None Detected	No	
Asbestos	S0028 ABC	Structure | Window Frame | Caulking | Grey	1,2,3,4,5,6,7	A	200	50	0	0	Chrysotile	Yes	NF
Asbestos	S0029 ABC	Structure | Window | Putty | Butyl	8	A	0	0	0	100	Chrysotile	Yes	NF
Asbestos	S0030 ABC	Structure | Window Frame | Caulking | Grey	8	A	0	0	0	100	Chrysotile	Yes	NF
Asbestos	S0031 ABC	Wall | | Stucco | Beneath Windows	8	A	0	0	0	100	None Detected	No	
Asbestos	S0032 ABC	Structure | Window Frame | Caulking | White	8	A	0	0	0	100	None Detected	No	
Asbestos	S0033 ABC	Structure | Window | Putty | Butyl	8	A	0	0	0	100	None Detected	No	
Asbestos	S0034 ABC	Wall | | Cement Product | Transite Board	8	A	0	0	0	100	Chrysotile	Yes	NF
Asbestos	V9500	Wall | | Cement Product | Transite Panel Presumed Behind Stucco	8	A	0	0	0	100	Presumed Asbestos	Yes	NF
Paint	V0002	Wall | Masonry | Light Blue	1670,1675	A	0	800	0	0		No	-
Paint	L0004	Wall | Masonry | Cream	1,2,4,5,6,7,1670,1675	A	0	1500	0	100		Lead (Low)	-
Paint	L0006	Wall | Concrete (precast) | Blue On Block	3	A	0	0	0	100		Lead (Low)	-
Paint	L0007	Wall | Metal | Blue On Panels	8	A	0	0	0	100		Lead (Low)	-
Paint	L0008	Wall | Wood | White On Wood	8	A	0	0	0	100		Lead (High)	-
PCB	P0001	Caulking | Butyl	8	A	0	0	0	100	-	No	-
PCB	P0002	Caulking | Caulking	8	A	0	0	0	100	-	No	-
PCB	V9500	Light Ballasts	1670,1675	A	0	0	38	0	Presumed PCB	Yes	-
Hg	V9500	Light Fixture	1670,1675	A	0	0	76	0	Presumed Hg	Yes	-

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
1.855.PINCHIN www.pinchin.com

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #1 : Offices **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **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
Structure		Concrete (precast), siporex decking			C	Y										
Structure	Window	Sealant, White			A	Y		50(7)			LF	S0024C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window	Sealant, White			A	Y		50(7)			LF	V0024	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window frame	Caulking, Grey						50(7)			SF	S0028A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Cement Product, Transite board			A	Y		12(7)			SF	S0022C	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Paint, White on block			A	Y		100			%	S0027C	None Detected	N.D.	None	

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #1 : Offices **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete Block	100		%	V0004	cream on masonry block walls	Pb: 0.032 %	Lead (Low)

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #2 : Classrooms And Library **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **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
Structure		Concrete (precast), siporex decking			C	Y										
Structure	Window	Sealant, White			A	Y		50(7)			LF	V0024	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window frame	Caulking, Grey						25(7)			LF	S0028B	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Cement Product, Transite board			A	Y		12(7)			SF	V0022	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Paint, White on block			A	Y		100			%	S0027D	None Detected	N.D.	None	

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #2 : Classrooms And Library **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete Block	100		%	V0004	cream on masonry block walls	Pb: 0.032 %	Lead (Low)

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #3 : Classrooms **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **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
Structure		Concrete (precast), siporex decking			C	Y										
Structure	Window	Sealant, White			A	Y		50(7)			LF	V0024	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window frame	Caulking, Grey			A	Y		50(7)			LF	S0028C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Cement Product, Transite board			A	Y		20(7)			SF	V0022	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Paint, Blue on block			A	Y		100			%	S0027EF	None Detected	N.D.	None	

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #3 : Classrooms **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete (precast)	100		%	L0006	Blue on block	Pb: 0.015 %	Lead (Low)

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #4 : Kindergartens **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **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
Structure		Concrete (precast), siporex decking			C	Y										
Structure	Window	Sealant, White			A	Y		50(7)			LF	V0024	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window frame	Caulking, Grey			A	Y		50(7)			LF	V0028	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Cement Product, Transite board			A	Y		50(7)			SF	V0022	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Paint, White on block			A	Y		100			%	V0027	None Detected	N.D.	None	

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #4 : Kindergartens **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete Block	100		%	V0004	cream on masonry block walls	Pb: 0.032 %	Lead (Low)

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #5 : Resources Room **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **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
Structure		Concrete (precast), siporex decking			C	Y										
Structure	Window	Sealant, White			A	Y		50(7)			LF	V0024	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window frame	Caulking, Grey			A	Y		25(7)			LF	V0028	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Cement Product, Transite board			A	Y		6(7)			SF	V0022	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Paint, White on block			A	Y		100			%	V0027	None Detected	N.D.	None	

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #5 : Resources Room **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete Block	100		%	V0004	cream on masonry block walls	Pb: 0.032 %	Lead (Low)

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #6 : Staff Washroom **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **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
Structure		Concrete (precast), siporex decking			C	Y										
Structure	Window	Sealant, White			A	Y		50(7)			LF	V0024	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window frame	Caulking, Grey			A	Y		25(7)			LF	V0028	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Cement Product, Transite board			A	Y		10(7)			SF	V0022	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Paint, White on block			A	Y		100			%	V0027	None Detected	N.D.	None	

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #6 : Staff Washroom **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete Block	100		%	V0004	cream on masonry block walls	Pb: 0.032 %	Lead (Low)

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #7 : Staff Room **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **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
Structure		Concrete (precast), siporex decking			C	Y										
Structure	Window	Sealant, White			A	Y		50(7)			LF	V0024	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window frame	Caulking, Grey			A	Y		25(7)			LF	V0028	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Cement Product, Transite board			A	Y		10(7)			SF	V0022	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Paint, White on block			A	Y		100			%	V0027	None Detected	N.D.	None	

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #7 : Staff Room **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete Block	100		%	V0004	cream on masonry block walls	Pb: 0.032 %	Lead (Low)

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #8 : Exterior **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **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
Structure		Caulking			C	Y		100(7)			%	V0018	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window	Putty, Butyl			A	Y		100(7)			%	S0029ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window	Putty, Butyl			A	Y		100			%	S0033ABC	None Detected	N.D.	None	
Structure	Window frame	Caulking, Grey			A	Y		100(7)			%	S0030ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window frame	Caulking, White			A	Y		100			%	S0032ABC	None Detected	N.D.	None	
Wall		Cement Product, transite above windows and doors			C	Y		100(7)			%	V0022	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Cement Product, transite board			A	Y		100(7)			%	S0034ABC	Chrysotile	10-25%	Confirmed Asbestos	NF
Wall		Cement Product, transite panel presumed behind stucco			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Stucco, Beneath windows			A	Y		100			%	S0031ABC	None Detected	N.D.	None	

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #8 : Exterior **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

PAINT

System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Metal	100		%	L0007	Blue on panels	Pb: 0.068 %	Lead (Low)
Wall	Wood	100		%	L0008	White on wood	Pb: 0.36 %	Lead (High)

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #8 : Exterior **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

PCB

Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Caulking	100		%	P0002	Caulking	1.7 mg/kg	No
Caulking	100		%	P0001	Butyl	3.5 mg/kg	No

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #1670 : Kindergarten Classroom 1 **Floor: 1** **Room #: 107** **Area (sqft): 1100**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Duct		Tar, Tar paper			B	Y		15			SF	S0021AB	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12x12 mottled blue			A	Y		184(7)			SF	S0003C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic, 12x12 beige w brown fleck			A	Y		2682			SF	S0012ABC	None Detected	N.D.	None	
Other[1]		Vinyl Sheet Flooring, Brown Square pattern			A	Y		69(7)			SF	S0011ABC	Chrysotile	10-25%	Confirmed Asbestos	PF
Other	Sink	Mastic, Silver			B	N		1(7)			EA	S0010B	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Parging Cement			B	Y		3(7)			EA	V0002	Chrysotile	25-50%	Confirmed Asbestos	F
Piping		Polyvinyl chloride (PVC)			C	Y		20			LF					
Structure		Concrete (precast)			C	Y		1100			SF					
Structure		Wood			C	Y		894			SF					
Structure	Beam	Steel, White			C	Y		1100			SF					
Structure	Door frame	Caulking, Brown			A	Y		30(7)			LF	S0023AB	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Expansion joint	Caulking, White			C	Y						S0018ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window	Sealant, White			A	Y		50(7)			LF	S0024A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window	Sealant, Black			A	Y		50(7)			LF	S0025AB	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window frame	Caulking, Grey			A	Y		50(7)				S0026AB	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Cement Product, Transite board			C	Y		12(7)			SF	V0015	Chrysotile	10-25%	Confirmed Asbestos	NF
Wall		Cement Product, Transite board			A	Y		12(7)			SF	S0022A	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Paint, Cream on block wall			A	Y		750			SF	S0005D	None Detected	N.D.	None	
Wall		Paint, Blue on block			A	Y		400			SF	V0005	None Detected	N.D.	None	
Wall		Paint, White on block			A	Y		100			%	S0027A	None Detected	N.D.	None	

1 - Benches

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #1670 : Kindergarten Classroom 1 **Floor: 1** **Room #: 107** **Area (sqft): 1100**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	750		SF	L0004	Cream	Pb: 0.032 %	Lead (Low)
Wall	Masonry	400		SF	V0002	Light blue	Pb: 0.0015 %	No

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**

Location: #1670 : Kindergarten Classroom 1 **Floor: 1** **Room #: 107** **Area (sqft): 1100**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Light Fixture	38	EA	V9500	Presumed Mercury

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #1670 : Kindergarten Classroom 1 **Floor: 1** **Room #: 107** **Area (sqft): 1100**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

PCB							
Component	**Good**	**Poor**	**Unit**	**Sample**	**Sample Description**	**Amount**	**PCB**
Light Ballasts	19		EA	V9500			Presumed

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #1675 : Kindergarten Classroom 2 **Floor: 1** **Room #: 108** **Area (sqft): 1100**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Duct		Tar, Tar paper			B	Y		15			SF	S0021C	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12x12 mottled yellow										S0013ABC	Chrysotile	5-10%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic, 12x12 beige w brown fleck			A	Y		894			SF	V0012	None Detected	N.D.	None	
Other[1]		Vinyl Sheet Flooring, Brown Square pattern			A	Y		23(7)			SF	V0011	Chrysotile	10-25%	Confirmed Asbestos	PF
Other	Sink	Mastic, Silver			B	N		1(7)			EA	S0010C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Parging Cement			B	Y		5(7)			EA	V0002	Chrysotile	25-50%	Confirmed Asbestos	F
Piping		Polyvinyl chloride (PVC)			C	Y		20			LF					
Structure		Concrete (precast)			C	Y		1100			SF					
Structure		Wood			C	Y		894			SF					
Structure	Beam	Steel, White			C	Y		1100			SF					
Structure	Door frame	Caulking, Brown			A	Y		30(7)			LF	S0023C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Expansion joint	Caulking, White			C	Y						V0018	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window	Sealant, White			A	Y		50(7)			LF	S0024B	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window	Sealant, Black			A	Y		50(7)			LF	S0025C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Structure	Window frame	Caulking, Grey			A	Y		50(7)			LF	S0026C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Cement Product, Transite board			C	Y		12(7)			SF	V0015	Chrysotile	10-25%	Confirmed Asbestos	NF
Wall		Cement Product, Transite board			A	Y		12(7)			SF	S0022B	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Paint, Cream on block wall			A	Y		750			SF	V0005	None Detected	N.D.	None	
Wall		Paint, Blue on block			A	Y		400			SF	V0005	None Detected	N.D.	None	
Wall		Paint, White on block			A	Y		100			%	S0027B	None Detected	N.D.	None	

1 - Benches

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #1675 : Kindergarten Classroom 2 **Floor: 1** **Room #: 108** **Area (sqft): 1100**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	750		SF	V0004	Cream	Pb: 0.032 %	Lead (Low)
Wall	Masonry	400		SF	V0002	Light blue	Pb: 0.0015 %	No

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**

Location: #1675 : Kindergarten Classroom 2 **Floor: 1** **Room #: 108** **Area (sqft): 1100**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	**Quantity**	**Unit**	**Sample**	**Hazard**
Light Fixture	38	EA	V9500	Presumed Mercury

Client: HWDSB **Site: 80 Currie Street, Hamilton, ON** **Building Name: Richard Beasley Elementary School**
Location: #1675 : Kindergarten Classroom 2 **Floor: 1** **Room #: 108** **Area (sqft): 1100**
Survey Date: 2026-04-09 **Last Re-Assessment: 0000-00-00**

PCB							
Component	**Good**	**Poor**	**Unit**	**Sample**	**Sample Description**	**Amount**	**PCB**
Light Ballasts	19		EA	V9500			Presumed

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				

Electrical
Specifications

for

Window Replacement at
Richard Beasley Elementary School
80 Currie Street
Hamilton, Ontario

HCC PROJECT #26-00772

HCC ENGINEERING LIMITED
200 King Street West
Suite 310
Toronto, Ontario
M5H 3T4
Tel: (416) 932-2423
Re-Issued for Tender
April 20, 2026

SECTION 00 00 00: TABLE OF CONTENTS.

SECTION 26 05 00: GENERAL CONDITIONS.

1.1 Project Description:

1. The project encompasses the 80 Currie Street, Hamilton facility. In general, the work shall include, without being limited to the following:
   1. Relocation of conduit systems, associated wiring, etc., as shown on the drawings.
2. The electrical contractor shall provide a comprehensive Methods of Procedures (MOPs) four weeks prior to each and every power shutdown. MOPs must include a detailed sequence of operations to be completed during the respective shutdown as well as a back out plan. MOPs must be approved by client and the electrical engineer prior to any work taking place.

1.2 Reserved

1.3 Substantial Completion Of Contract

1. All the equipment and wire must be cleaned and tested before acceptance by the consultant.
2. This Contractor shall guarantee all equipment and work furnished under this Division for a period of one (1) year (including all prepurchased and prequalified equipment) or such longer periods as may be provided in the warranty of the manufacturer of individual components, whichever is longer from the date of final acceptance by the Engineer. This contractor shall correct all defects developing as a whole or in part, due to defective workmanship, materials or defective arrangement of the various parts or materials damaged as a result of these defects or repairs. All defects shall be made good to the satisfaction of the Engineer at this Contractor's expense.
3. Replace, at no cost, all incandescent lamps burned out during a thirty (30) day period, all burned-out fluorescent and HID lamps for a period of ninety (90) days and all burned out LEDs based on a 70% lumen maintenance within a 5 year warranty period after date of issuance of certificate of Substantial Performance for the contract of this building.
4. Additional requirements as detailed in Section 26 05 00, paragraph 1.7, sentence 9.

1.4 Reserved

1.5 Reserved

1.6 Examination of Premises and Work

1. Visit and examine the site where the work is to be done. Become familiar with all features and characteristics of the site and/or any existing structure before submitting a bid. No allowances will be made by the Owner for any difficulties encountered by this Contractor due to any peculiarities of the site, surrounding public or private property that existed when the Tender was submitted.
2. This Contractor shall examine the structural, mechanical, architectural, electrical and any other drawings issued to satisfy himself that the work can be satisfactorily carried out. Before commencing work or prefabrication, examine the work of other trades and report at once any defect or interference affecting the work of the electrical trade.
3. Where variances occur between the drawings and the specifications, or within either document itself, the item or arrangement of better quality, greater quantity or higher cost shall be included in the contract sum. The Engineer will decide on the item and manner in which the work shall be installed.

1.7 Terms And Conditions

1. DEFINITIONS
    1. The term Owner shall be understood to refer to Hamilton Wentworth District School Board.
    2. The term consultant shall be understood to refer to Howard Cohen, P. Eng., RCDD/LAN, MBA.
    3. Not used.
    4. The term electrical contractor shall be understood to refer to the successful bidder to this specification for the electrical systems.
    5. The term Contract shall be understood to refer to all items and conditions of this specification, Drawings, the complete tender package, the Contractor's tender submission and any other future contractual arrangements. All such items and conditions shall be binding unless agreed otherwise by the Contractor, Consultant and Owner.
    6. The term Project shall be understood to refer to the complete supply and installation of the Electrical System and components, as defined in this specification and Drawings.
    7. Wherever the words "equal", "equivalent", "approved", or "approved equal" are used, it shall be understood to mean, "equal", "equivalent", "approved", or "approved equal" in the opinion of the Consultant only.
    8. Wherever the words "install", "provide", or "supply and install", are used it shall be understood to mean "provide and install, inclusive of all labour, materials, installation, testing, and connections" for the item to which referred.
    9. "Concealed" is defined as "out of sight" in "normal" viewing conditions, and includes buried in concrete, above acoustic tile or gypsum board ceilings, within masonry or gypsum board constructed walls, within cable trays of below raised access floors.
2. These specifications or the drawings shall not be used alone. Any item or subject omitted from one, but mentioned or reasonably implied in the other, shall be provided. Misinterpretation of any requirements of either the specification or drawings shall not result in any additional charge after submission of Tender. This Contractor shall, by careful study of the total requirements, include all necessary components to make each system workable.
3. Not used.
4. The Contractor shall co-operate fully with the Owner, Consultant, landlord and landlord's agent and all contractors, sub-contractors and other persons working on the site.
5. The Contractor shall do the complete installation in accordance with the latest editions of the Ontario Building Code, Electrical Safety Code, CSA, NFPA, or other Codes or governing authorities of competent jurisdiction. In case of discrepancies with this or the manufacturer's specifications, the Contractor shall notify the Consultant immediately.
6. Obtain and pay for permits (note: Building Permit obtained by owner) and inspections required for work performed. Provide Certificate(s) of Acceptance from the Authorities Inspection Department, upon completion of work.
7. Submit required Documents and shop drawings to authorities having jurisdiction in order to obtain approval for the Work. Copies of Contract Drawings and Specifications may be used for this purpose. Prepare any additional information, details and drawings which these authorities may require.
8. The Contractor must comply with all requirements of the Occupational Health & Safety Act.
9. In order to meet the requirements of substantial completion the electrical contractor must complete the following:
    1. Installation and successful testing of all electrical system devices as per mutually agreed to tests and commissioning plan.
    2. Submission of all coordination and permit documentation for the Consultant's review.
    3. Submission of all record and As-built documentation.
    4. Correction of any deficiencies in the electrical system.

1.8 Schedule

1. All work including testing and commissioning of the 'Utility', 'EPS' and 'UPS' electrical systems must be completed as per the schedule provided by the project manager. Refer to schedule provided by the project manager for additional details. Include for all necessary overtime required to carry out the project. The successful contractor will not be permitted claims as a consequence of this requirement. The successful contractor to submit a full construction schedule before starting any work.
2. Sufficient manpower, materials, equipment, appliances and services are to be kept on site at all times to maintain the scheduled completion of work.
3. All work required to be done after office hours and weekends (including x-raying, core drilling and power shutdowns), shall be included in the tender price. Note: All x-raying and core drilling shall be provided by the electrical contractor.
4. Work associated with power shutdowns (including switching services from permanent, portable or temporary generator distribution back to utility power) and with testing and commissioning of electrical systems (including load bank testing of UPS and EPS) **must be carried out between Sunday @12:01am and 4:00am**. All shutdowns must be approved by Owner.

1.9 Contract Drawings

1. The Drawings for the electrical system work are diagrammatic performance Drawings, intended to convey the scope of work and indicate the approximate sizes and locations of equipment and outlets. The Drawings do not intend to show Designer's Architectural, Mechanical or Structural details.
2. Do not scale or measure Drawings, but obtain information regarding accurate dimensions, from the dimensions shown or by site measurements. Follow the Drawings for laying out the work.
3. Make, at no additional cost, any changes or additions to materials and equipment necessary to accommodate Structural conditions (offsets around beams, columns, etc.).
4. Alter at no additional cost, the location of materials and/or equipment as directed, provided that the changes are made before installation, and do not necessitate additional materials.
5. Change location of termination panels and devices at no extra cost providing cable length increase resulting from relocation does not exceed 3m (10') and information is given before installation.
6. Confirm at the site the exact location of equipment.
7. Any miscellaneous materials, hardware, devices, wiring, etc., not specifically described, but required for the installation and operation of the electrical system, shall be provided and included as part of the Bid.

1.10 Materials And Equipment

1. All materials and equipment shall be completely new and unused products of only the most recent manufacturer model or version number, CSA or UL certified, and manufactured to the Standards specified.
2. Where there is no alternative to supplying equipment which is not CSA certified, obtain special approval from the local Inspection Department.
3. No damaged, chipped or marked equipment or materials will be accepted and must not be installed.

1.11 Reserved

1.12 Operation And Maintenance Manuals

1. Provide three (3) hard copy sets of operation and maintenance manuals for equipment and products supplied.
2. Provide three (3) soft copy scanned sets of operation and maintenance manuals for equipment and products supplied. Media shall be USB drives.
3. Include the following information in the Operation and Maintenance manuals:
   - Names and address of local suppliers for the items included.
   - Technical data, product data, supplemented by bulletins, component illustrations, exploded views, technical descriptions of items and parts lists. Advertising or sales literature is not acceptable.

- Details of design elements, construction features, component function and maintenance requirements, to permit effective start-up, operation, maintenance, repair, modification, extension and expansion of any portion or feature of the installation.

4. Review information provided in the maintenance instructions and manuals with the Owners' operating personnel to ensure a complete understanding of the electrical equipment and systems and their operation.

1.13 Progress Payments

1. Submit a complete breakdown of the Contract with each progress billing, indicating percentage of work complete, in a form acceptable to the Owner/Consultant.
2. The amount of monies to be allocated for close out documents must be 3% of contract value. This does not include monies allocated for studies, testing, measurement and verification, commissioning, etc.

1.14 Shop Drawings

1. Submitted Shop Drawings must indicate details of construction, dimensions, capacities, weights and electrical performance and flame spread characteristics of equipment or materials, as well as specification reference Section number and project name.
2. Shop Drawings shall be provided with sufficient space on the front for all Consultant's and Contractor's "review" stamps.
3 Work affected by submittal shall not proceed until review is complete.
4. Review submittal prior to submission to Consultant. This review represents that necessary requirements have been determined and verified, or will be, and that each submittal has been checked and coordinated with requirements of the work and Contract Documents and bears the Stamp of Communications Contractor.
5. Changes made to the Shop Drawings by the Consultant will not affect the Contract Price.
6. Submit Shop Drawings for all material and equipment referred to in contract document.

1.15 Field Supervision

1. Throughout the duration of the Project, a properly qualified Electrical Field Supervisor must be available at all times. The Supervisor who starts the work must not be changed unless requested by the project manager, or written permission from the project manager is obtained.
2. In addition, provide proper office supervision of the work. The person responsible for office supervision must visit the site as often as necessary, to ensure work is properly performed, and attend weekly site meetings when so requested.

1.16 Site Responsibilities

1. Maintain work areas to be free of construction debris and waste. The disposal of all materials shall be the responsibility of the Contractor.
2. Make all necessary arrangements to transport materials and equipment to and within the site. The Contractor shall be responsible for arranging for the use of any hoists, lifts, pulleys, winches, cranes or service elevators.
3. The Contractor is responsible for complete storage, handling, delivery, and installation of all materials used in the performance of the work.

1.17 Deliveries / Access

1. Coordinate all deliveries to site with the Building Manager. Book loading dock and service elevators 72 hours in advance. Contractor must pre-arrange all site access and authorization for all site personnel and subcontractor personnel with the Building Project Manager or his representative

1.18 Testing and Commissioning

1. Provide testing and commissioning as per Testing and Commissioning Plan to be reviewed and approved by the Consultant and Project Manager for all items and their related components.
2. Supply all required equipment maintenance and operations manuals, for owner's staff use.
3. Provide all required software for monitoring, annunciation and control/dispatch applications

1.19 Other

1. Not used.
2. It is the responsibility of the Contractor to perform all cutting, patching and repair related to the electrical system work.
3. Work by the electrical contractor shall be protected during erection against disfigurement, contamination or damage by mechanical abuse or harmful materials. Protective covers shall be installed where exposure to potential damage is likely. The contractor shall ensure that no eating, drinking or smoking is carried out in the finished areas. Damages resulting from a breach of these requirements shall be repaired at the cost of the electrical contractor.
4. Existing and adjacent finishes, work and structures shall be protected from damage resulting from work of this project.

1.20 Record and As-Built Drawings

1. The Contractor shall maintain two sets of drawings on site. Clearly mark on these drawings all changes and deviations from the contract drawings and in particular mark the actual location of all feeder conduit locations.
2. All deviations from the contract drawings shall be recorded on the "as-built" drawings, including those changes due to Addenda, Site Instructions or Change Orders.
3. After the date of Substantial Performance, obtain from the Consultant, a set of the most recent Electrical System Drawings in AutoCAD Version 2024 format. These Drawings shall be marked up to record clearly, neatly, accurately and promptly all locations of Electrical System deviations as a result of Change Orders, Consultant's or Owner's Instruction, site conditions, etc. Utilize normal recognized CAD procedures that match the original drafting methodology. Submit the revised As-Built AutoCAD files and full-sized drawings (three sets) with changes clearly indicated to the Consultant for review and final presentation to the Owner.

1.21 Drawings

1. For exact details and quantities, refer to the later sections of this document and to drawing E-1.1, E-1.2 and E-2.1, denoted as 'Re-Issued for Tender April 20, 2026."

1.22 Contract

1. Conform to the conditions stated in the Contract Form, Document CCDC-2.
2. A confidentiality agreement will form an integral part of the contract and will be provided to the successful contractor.

1.23 Cleaning

1. It is the responsibility of the Contractor to dispose of all waste related to this project.
2. Conduct cleaning and disposal operations to comply with local ordinances and anti-pollution laws.
3. On a daily basis, remove waste materials, rubbish, tools, equipment, machinery, surplus materials and clean all sight exposed surfaces.
4. All materials must be stacked neatly and safely.
5. Handle materials in a controlled manner with as few handlings as possible. Do not drop or throw materials from heights.

6. Cleaning operations shall include those areas used for temporary site access or used on a temporary basis to facilitate work.
7. The contractor will remove all garbage from site on a daily basis at his own expense.
8. Failure to provide housekeeping and/or maintain a clean work area to the satisfaction of the project manager will result in the project manager providing the necessary housekeeping and/or maintenance service with all related costs, including mark-up's, being charged to the electrical contractor.

1.24 Demolition

1. Disconnect and remove existing conduit and wiring in partitions to be demolished and existing 'BX' cables, conduit and wire in ceiling where existing outlets, lighting fixtures, devices and mechanical equipment are to be removed.
2. Remove all branch circuit wiring and raceways originating from the existing receptacle panels. Wiring and raceways shall be removed back to the source panel. Circuits utilized to feed existing to remain mechanical equipment and other 120/208 volt sources to remain must be maintained.
3. Remove all existing electrical outlets and light switches as well as the associated wiring and raceways not being reused and/or not required for new layout (note: existing outlets and switches to be removed are not shown on the drawings). Provide blank coverplates at all locations where electrical and/or communications devices were removed in which partitions are not being demolished.

1.25 Digital Photos

1. Provide digital photos of all progress to date on a weekly basis. Each photo submission must be reviewed and approved by the consultant prior to continuing with the installation.

End of Section

SECTION 26 05 01: COMMON WORK RESULTS - ELECTRICAL.

PART I - GENERAL

1.1 Reference:

1. This section forms part of every section of Division 26.

1.2 Access Doors:

1. Not Required.

1.3 Cleaning:

1. Clean devices and other surfaces that have been exposed to construction dust and dirt. Clean the insides and outsides of panels and other electrical equipment and completely remove all debris and tools from the project.

1.4 Codes and Standards:

1. Complete the installation of the work in accordance with latest editions of the Ontario Building Code, Electrical Safety Code, CSA, ULC, NFPA or other codes, as required.
2. Comply with Electrical Bulletins in force at time of Bid submission. While not identified and specified by number in this Division, they are to be considered as forming part of related Standards.
3. Abbreviations for electrical terms are as per CSA Z85.

1.5 Finishes:

1. All shop finished metal equipment and enclosure surfaces, must be prepared by removal of rust and scale from the raw metal, degreasing, cleaning, application of rust resistance primer inside and outside, and at least two coats of finish enamel paint. Use factory standard colours unless otherwise specified. Colour reference numbers are Sico.
2. Paint exterior surfaces of indoor electrical equipment to manufacturer's standard.
3. Clean and touch-up (to Consultant's acceptance) surfaces of shop-finished equipment that is scratched or marred during shipment or installation, so as to match original paint.
4. Leave with the Owner, 0.22 gal. of paint of each colour used, in the form of liquid or spray, to allow for future touch-up of damaged areas.

1.6 Inserts, Hangers and Sleeves:

1. Provide hangers, inserts, sleeves and supports as required.
2. Inserts are to be of lead shield type.
3. Hangers must not be welded to structural steel members and burning of holes in structural steel is prohibited.
4. Sleeves are to be of a type suitable for the application and be sealed and made watertight. Sleeves through concrete shall be sized for free passage of conduit, and installed flush with underside of concrete slab and extend 100mm (4") above finished floor unless otherwise shown.

1.7 Intent:

1. It is the intent of these drawings and specifications that the Contractor provide complete and operational systems as required.
2. Where differences occur, the maximum condition shall govern.
3. Any miscellaneous items, hardware, devices, wiring, etc., not specifically described, but required for the operation of the system, must be provided and included as part of the Bid.

1.8 Mounting Heights:

1. Mounting height of equipment is from finished floor to center line of equipment unless specified or indicated otherwise.
2. If mounting height of equipment is not indicated, verify with Consultant before proceeding with installation.

1.9 Owners Instruction and Trial Usage:

1. Instruct the Owner's operating personnel in the startup, operation, care and maintenance of all the equipment. All equipment to be tested, operational and commissioned before instruction. Provide sheets for signatures of Owner's representative and operating personnel present at each instruction period.
2. Arrange and pay for the service of the manufacturer's factory service Engineer/Technician to supervise the start-up of his equipment installation, and to check, adjust, balance and calibrate components.
3. Provide these services for such period, and for as many visits as necessary to ensure that the Owner's operating personnel are conversant with all aspects of its care and operation.
4. When commissioning is included in the contract:

    1. Prior to any instruction sessions, commissioning coordinator shall submit check lists of each system or equipment indicating their operation status for acceptance by the Owner.
    2. Coordinate all instruction sessions to suit Owner's operation personnel schedule. Submit proposed instruction session schedule c/w training agenda three weeks prior to session start date to Owner for review.

5. The Owner's operating personnel must be permitted to operate the systems under the contractor's supervision for a reasonable period of time prior to Substantial Completion of Contract. This use shall not be misconstrued as acceptance of the equipment.

1.10 Plywood Backboard:

1. Supply and install all plywood backboards required for the work of this Division. Plywood to be highest quality fire retardant fir. 1200 mm wide x 2400 mm high (4'-0" wide x 8'-0" high), 19mm (3/4") thick unless otherwise specified. Prime and paint backboards on both sides with fire retardant paint, equal to CGSB spec. #1-GP-151M, of a colour to match the equipment and services mounted thereon as defined in "Finishes" above. **Do not paint over fire rated stamps.**

2. Plywood backboards are to be provided for mounting the following surface wall mounted equipment:
    - Cabinets.
    - Contactors.
    - Control Panels
    - Disconnect Switches.
    - Junction Boxes 600mm (2') square and larger.
    - Pull Boxes.
    - Panel Boards.
    - Splitters
    - Transient Voltage Surge Suppression Units.
    - External Breakers

3. Where practical, group devices on a common backboard.

1.11 Protection:

1. Protect exposed live equipment during construction for personnel safety.
2. Shield and mark live parts "LIVE 600 VOLTS", or with appropriate voltage in English.

1.12 Sealing:

1. Where cables or conduits pass through non fire-rated floors, walls or roof, provide internal and external sealing thereto.
2. Retain the service of a specialty sealant contractor for the work required.
3. Comply with manufacturer's installation instructions for all sealant applications.
4. For non-fire rated locations, Sealant shall be silicone, that meets requirements of CGSB 19-GP-23, for the size of the joint required, and the types of materials being bonded.
5. For fire rated locations, the fire stop shall meet the requirements of UL with regards to the type of assembly and the fire separation.
6. Provide architecturally approved air barrier seals and vapor barrier seals to electrical items passing through or terminating within walls, roofs and decks, humidity controlled areas and pressurized areas.
7. All materials used for fire stopping of penetrations must be Hilti Limited manufactured product only.

1.13 Sprinkler Proofing:

1. All areas of this building are protected by a wet sprinkler system. **All electrical equipment** to be configured for installation in such an environment.

1.14 Warning Signs:

1. Provide warning signs, as specified to meet requirements of Department of Labor Safety Inspection, Inspection Department, Authorities having jurisdiction and Consultant.
2. Use decal signs, in English minimum as required by Authorities.

1.15 Wire Pulling Lubricant:

1. Lubricant to be non-corrosive and NFPA 70 approved for the type of cable used.
2. Lubricants to be soap or wax based, depending upon application. Use soap based for short runs and for semi-conducting insulated wires, and wax based for long runs.

End of Section

SECTION 26 05 29: HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS:

PART I - GENERAL

1.1 Work Included:

1. Provide Hangers and Supports for Electrical Systems as required for a complete electrical system installation.

PART II - PRODUCTS

2.1 Support Channels:

1. U shape pre-galvanized steel, size 41 mm x 41 mm x 22 mm (1-5/8" x 1-5/8" x 7/8"), for surface mounting, suspending, or inserting into poured concrete walls and ceilings as required.
2. All channel fittings to suit channel type.
3. All other fittings to suit equipment weight, location and surface as required.

PART III - EXECUTION

3.1 Installation:

1. Secure plywood backboards, channels, luminaires, equipment and fittings to wood with wood screws, to solid masonry, tile and plaster surfaces with lead anchors, to poured concrete with self-drilling expandable inserts, and to hollow masonry walls with toggle bolts.
2. All ceiling mounted equipment shall be independently supported from the structure. Do not support equipment from ceiling support system.
3. Support equipment, conduit or cable using clips, spring loaded bolts, or cable clamps designed as accessories to basic channel members.
4. Fasten exposed conduit or cables to building using:
    1. Two-hole steel straps to secure surface conduits and cables 50 mm (2") and smaller.
    2. Two-hole steel straps for conduits and cables larger than 50 mm (2").
    3. Beam clamps to secure conduit to exposed steel work.
5. For suspended support system:
    1. Support individual cable or conduit runs with 6 mm (1/4") diameter threaded rods and spring clips.
    2. Support two or more cables or conduits on channels support by 6 mm (1/4") diameter threaded rod hangers where direct fastening to building construction is impractical.
    3. Support suspended luminaire using two or more lengths of Weldless "Single Jack", bright zinc plated steel chain, American Standard #10 gauge, 13 links per foot.
6. Provide metal brackets, frames, hangers, clamps and related type of support structure where indicated or as required to support conduit and cable runs.
7. Ensure adequate support for raceways and cables dropped vertically to equipment where there is no wall support.
8. Do not use wire lashing or perforated strap to support or secure raceways or cables.
9. Do not use supports or equipment installed for other trades for conduit or cable support except with permission and approval of Consultant.
10. Install Hangers and Supports for Electrical Systems as required for each type of equipment, cable and conduits, and in accordance with manufacturer's installation recommendations.

End of Section

SECTION 26 05 34: CONDUITS, CONDUIT FASTENINGS AND CONDUIT FITTINGS.

PART I - GENERAL

1.1 Work Included:

1. Provide conduits, conduit fastenings and conduit fittings as detailed below and as required for a complete electrical installation.

PART II - PRODUCTS

2.1 CONDUITS

1. Rigid and epoxy coated conduit shall be threaded, galvanized steel and shall be manufactured to CSA C22.2 No. 45.
2. Electrical metallic tube (EMT) conduit and couplings shall be manufactured to CSA C22.2 No. 83.
3. Flexible metal conduit and liquid tight - flexible metal conduit shall be manufactured to CSA C22.2 No. 56.

2.2 CONDUIT FASTENINGS

1. Conduit straps shall be steel, double hole for rigid or EMT conduit. **Single hole straps are not acceptable.**

2.3 CONDUIT FITTINGS

1. Fittings for conduits shall be manufactured to CSA C22.2 No.18. Provide coatings as per conduit.
2. Fittings for rigid conduit shall be steel threaded type.
3. Fittings for EMT conduit to be steel set screw type fittings.
4. Fittings for flexible conduit and exposed conduit outdoors to be liquid-tight type, straight or angled threaded for rigid and compression for EMT conduit.
5. Expansion fittings for rigid or EMT conduits shall be of the watertight type, with an integral bonding assembly, suitable for deflection in all directions.

2.4 PULLING CABLES

1. Pulling cables shall be 1/4” diameter polypropylene and of a strength suitable for tension to be pulled.

2.5 WATERPROOF MEMBRANE

1. Conduits penetrating waterproof membranes shall be PEM #6372.

PART III - EXECUTION

3.1 INSTALLATION (GENERAL)

1. The conduits for the following circuits and systems shall be run separately:

   - 120/208 volt utility power distribution.
   - 347/600 volt utility power distribution.
   - 120/208 volt emergency power distribution.
   - 347/600 volt emergency power distribution.
   - Normal power to luminaries.
   - Emergency power to luminaries and exit signs.
   - Fire alarm system multiplex loop devices.
   - Fire alarm system signaling devices.
   - Access Control and CCTV System devices.
   - Telephone and data systems.
   - Control wiring.
   - Net Status devices.

2. All conduits to be surface mounted (exposed, EMT) in mechanical and electrical service spaces and rooms and concealed elsewhere unless otherwise shown.
3. Wiring in ceiling spaces and in all partitions shall be EMT.
4. Exposed conduits shall be installed to conserve headroom and cause minimum interference in spaces through which they pass.
5. Use rigid conduit up to 2.4 m (8’ -0”) above finished floor where exposed indoors
6. **Use RGS conduit PVC coated galvanized rigid steel Robroy Permacote in all outdoor locations and in areas that are not environmentally controlled.**
7. Use electrical metallic tubing (EMT) above grade, and above 2.4 m (8’-0”) above finished floor where exposed indoors.
8. Use flexible liquid tight metal conduit for connection to motors, and transformers.
9. Bend conduit without heating. Replace conduit if kinked or flattened more than $1/10^{th}$ of its original diameter.
10. Mechanically bend conduit over 20mm (3/4”) diameter.
11. Field threads on rigid conduit must be of sufficient length to draw conduits tight.
12. Install pulling cables in all conduits that are to remain “empty”.
13. A maximum of two (2), 90 degree bends, or equivalent up to 180 degrees, will be permitted without installation of a pull box. Radius of bends must be no less than ten (10) times the conduit diameter.
14. Conduits must be dry, before installing wires.
15. Support all branch conduits from building structure. Do not clip conduits to ceiling hangers, sprinkler pipes, plumbing or BAS wiring hangers.

3.2 SURFACE CONDUITS

1. Surface conduits shall be run parallel or perpendicular to building lines.
2. Conduits located near any heat producing equipment shall have 1500 mm (5 ft.) clearance.
3. Conduits adjacent to structural steel, beams or columns shall be run within the flanged portion, unless otherwise shown.
4. Group exposed conduits on surface or suspended channels.
5. Do not pass conduits through structural members except where indicated and approved by landlord.
6. Do not locate conduits less than 75 mm (3”) parallel to steam or hot water lines. Provide a minimum clearance of 25 mm (1”) at crossovers.

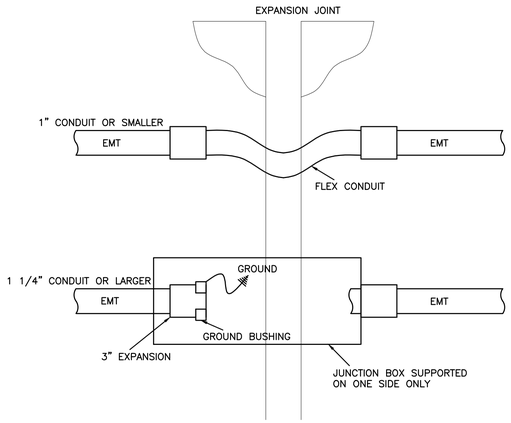
3.3 CONDUIT SIZE

1. The minimum conduit size shall be 19 mm (3/4”).
2. All undimensioned conduits in the drawings are 19 mm (3/4”).

3.4 EXPANSION FITTINGS

1. Conduit expansion fittings shall be provided on all conduits crossing expansion joints, and at maximum of 60 m (200') spacing.
2. Install expansion fittings perpendicular to expansion joint.
3. Refer to structural drawings for location of expansion joints.

End of Section



1 / E-1.1 EXPANSION JOINT CROSSING DETAIL
SCALE: NTS

LEGEND

E	INDICATES EXISTING DEVICE TO REMAIN
ER	INDICATES EXISTING DEVICE TO BE REMOVED. REMOVE CONDUIT AND WIRE BACK TO SOURCE.
R	DENOTES EXISTING DEVICE IN RELOCATED POSITION. PROVIDE CONDUIT AND WIRE BACK TO SOURCE.
RE	DENOTES EXISTING DEVICE TO REMAIN. RECIRCUIT AS SHOWN. REMOVE EXISTING CONDUIT AND WIRE BACK TO EXISTING SOURCE. PROVIDE CONDUIT AND WIRE BACK TO NEW SOURCE.

1. SUBSTITUTES ARE NOT PERMITTED FOR ALL SPECIFIED PRODUCTS.
2. SHOP DRAWINGS ARE REQUIRED FOR ALL PRODUCTS SPECIFIED FOR THIS PROJECT.
3. ELECTRICAL CONTRACTOR AND ALL SUBCONTRACTORS MUST READ AND COMPLY WITH ELECTRICAL SPECIFICATIONS (ISSUED AS A SEPARATE DOCUMENT).
4. CIRCUITING MUST BE COMPLETED AS SHOWN ON DRAWINGS. DO NOT CHANGE CIRCUIT NUMBERS.
5. INSTALLATION AND MANUFACTURING OF ALL DEVICES AND SERVICES INCLUDING DISTRIBUTION, FEEDERS, BRANCH CIRCUITS, VARIOUS SYSTEMS, ETC. MUST COMPLY WITH ALL LOCAL SEISMIC RESTRAINT REQUIREMENTS.
6. AS BUILT DRAWING REQUIREMENTS:
   AS BUILT DRAWINGS TO BE PREPARED AND SUBMITTED IN AUTOCAD FORMAT BY THE ELECTRICAL CONTRACTOR.
   - ALL DEMOLITION SCOPES OF WORK ARE TO BE ERASED FROM AS BUILT DRAWINGS.
   - ROUTING OF ALL FEEDERS, BRANCH WIRING (LIGHTING, EMERGENCY LIGHTING, POWER, ETC), LOW VOLTAGE WIRING, MISCELLANEOUS SYSTEMS WIRING, MISCELLANEOUS CONDUIT SYSTEMS, ETC, TO BE SHOWN ON AS BUILT DRAWINGS.

   REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND FOR COSTS TO OBTAIN CAD FILES.
7. REMOVAL AND REINSTALLATION OF CEILING TILES IN OCCUPIED AREAS TO ACCOMMODATE ALL SCOPES OF WORK SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
8. ALL PANEL SCHEDULE DIRECTORIES MUST BE UPDATED AND TYPEWRITTEN PANEL SCHEDULE DIRECTORIES MUST BE PROVIDED. SELF-ADHESIVE LABELING TAPE MUST BE USED FOR ALL LABELING AT ALL OUTLETS. LAMACOIDS MUST BE USED FOR LABELING OF ALL ELECTRICAL ENCLOSURES.

DRAWING LIST

HWDSB

NO.	ISSUES/ REVISIONS	DATE	BY
2	REISSUED FOR TENDER	APR20/26	KZ
1	ISSUED FOR TENDER	APR10/26	KZ

HCC ENGINEERING
DESIGN AND TECHNOLOGY SERVICES GROUP
HCC ENGINEERING LIMITED
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TORONTO, ONTARIO, M4P 3A2
Tel: (416) 932-2423

HCC PROJECT: 26-00772

BARRY BRYAN ASSOCIATES

PROJECT:
WINDOW REPLACEMENT AT RICHARD BEASLEY ELEMENTARY SCHOOL

80 CURRIE STREET
HAMILTON, ON
HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

DRAWING:

ELECTRICAL
LEGEND AND DETAILS

DESIGN BY: KZ	SEAL:
DRAWN BY: KZ	
CHECKED BY: HDC	
DATE: APR. 2026	
SCALE: AS SHOWN	
PROJECT NO: 504131 25198	DRAWING NO: E-1.1

N-1 PHOTO ILLUSTRATES EXISTING CONDUIT INSTALLATIONS NEAR WINDOW AND IS INCLUDED FOR REFERENCE PURPOSES ONLY.

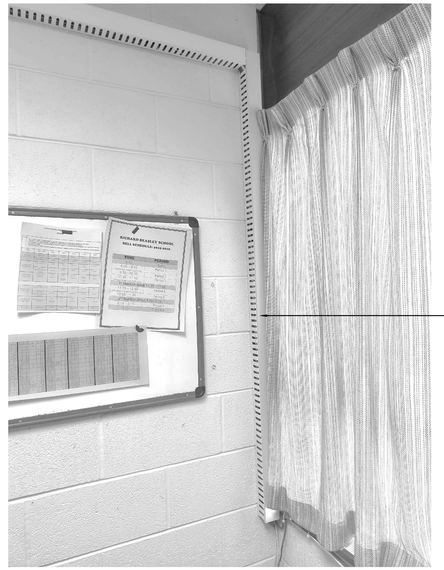
N-2 AS PART OF THE BASE BID TRACE EXISTING COMMUNICATIONS CONDUIT INDICATED TO BE RELOCATED AS PART OF THIS SCOPE OF WORK TO ACCOMMODATE WINDOW REPLACEMENT BY GENERAL CONTRACTOR. APPROXIMATE CONDUIT LENGTH TO BE 12'. VERIFY AND CONFIRM EXISTING CONDUIT REQUIREMENTS PRIOR TO ORDERING AND INSTALLATION OF NEW COMMUNICATIONS CONDUITS PROVIDED AS PART OF THIS SCOPE OF WORK. REPORT FINDINGS TO ENGINEER PRIOR TO ORDERING.

1 / E-1.2 PHOTO – EXISTING CONDITION – ROOM 102
SCALE: NTS

N-1 PHOTO ILLUSTRATES EXISTING CONDUIT INSTALLATIONS NEAR WINDOW AND IS INCLUDED FOR REFERENCE PURPOSES ONLY.

N-2 AS PART OF THE BASE BID TRACE EXISTING COMMUNICATIONS RACEWAY INDICATED TO BE REMOVED AND REINSTALLED AS PART OF THIS SCOPE OF WORK TO ACCOMMODATE WINDOW REPLACEMENT BY GENERAL CONTRACTOR. APPROXIMATE RACEWAY LENGTH TO BE 12'.

2 / E-1.2 PHOTO – EXISTING CONDITION – ROOM 103
SCALE: NTS



N-1 PHOTO ILLUSTRATES EXISTING CONDUIT INSTALLATIONS NEAR WINDOW AND IS INCLUDED FOR REFERENCE PURPOSES ONLY.

N-2 AS PART OF THE BASE BID TRACE EXISTING COMMUNICATIONS RACEWAY INDICATED TO BE REMOVED AND REINSTALLED AS PART OF THIS SCOPE OF WORK TO ACCOMMODATE WINDOW REPLACEMENT BY GENERAL CONTRACTOR. APPROXIMATE RACEWAY LENGTH TO BE 8'.

3 / E-1.2 PHOTO – EXISTING CONDITION – ROOM 104
SCALE: NTS

N-1 PHOTO ILLUSTRATES EXISTING CONDUIT INSTALLATIONS NEAR WINDOW AND IS INCLUDED FOR REFERENCE PURPOSES ONLY.

N-2 AS PART OF THE BASE BID TRACE (2) EXISTING COMMUNICATIONS CONDUIT INDICATED TO BE RELOCATED AS PART OF THIS SCOPE OF WORK TO ACCOMMODATE WINDOW REPLACEMENT BY GENERAL CONTRACTOR. EACH CONDUIT LENGTH TO BE 50' (100' TOTAL). VERIFY AND CONFIRM EXISTING CONDUIT REQUIREMENTS PRIOR TO ORDERING AND INSTALLATION OF NEW COMMUNICATIONS CONDUITS PROVIDED AS PART OF THIS SCOPE OF WORK. REPORT FINDINGS TO ENGINEER PRIOR TO ORDERING.

N-3 AS PART OF THE BASE BID TRACE EXISTING COMMUNICATIONS RACEWAY INDICATED TO BE REMOVED AND REINSTALLED AS PART OF THIS SCOPE OF WORK TO ACCOMMODATE WINDOW REPLACEMENT BY GENERAL CONTRACTOR. APPROXIMATE RACEWAY LENGTH TO BE 12'.

4 / E-1.2 PHOTO – EXISTING CONDITION – ROOM 131
SCALE: NTS

HWDSB

NO.	ISSUES/ REVISIONS	DATE	BY
2	REISSUED FOR TENDER	APR20/26	KZ
1	ISSUED FOR TENDER	APR10/26	KZ

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BBA
BARRY BRYAN ASSOCIATES

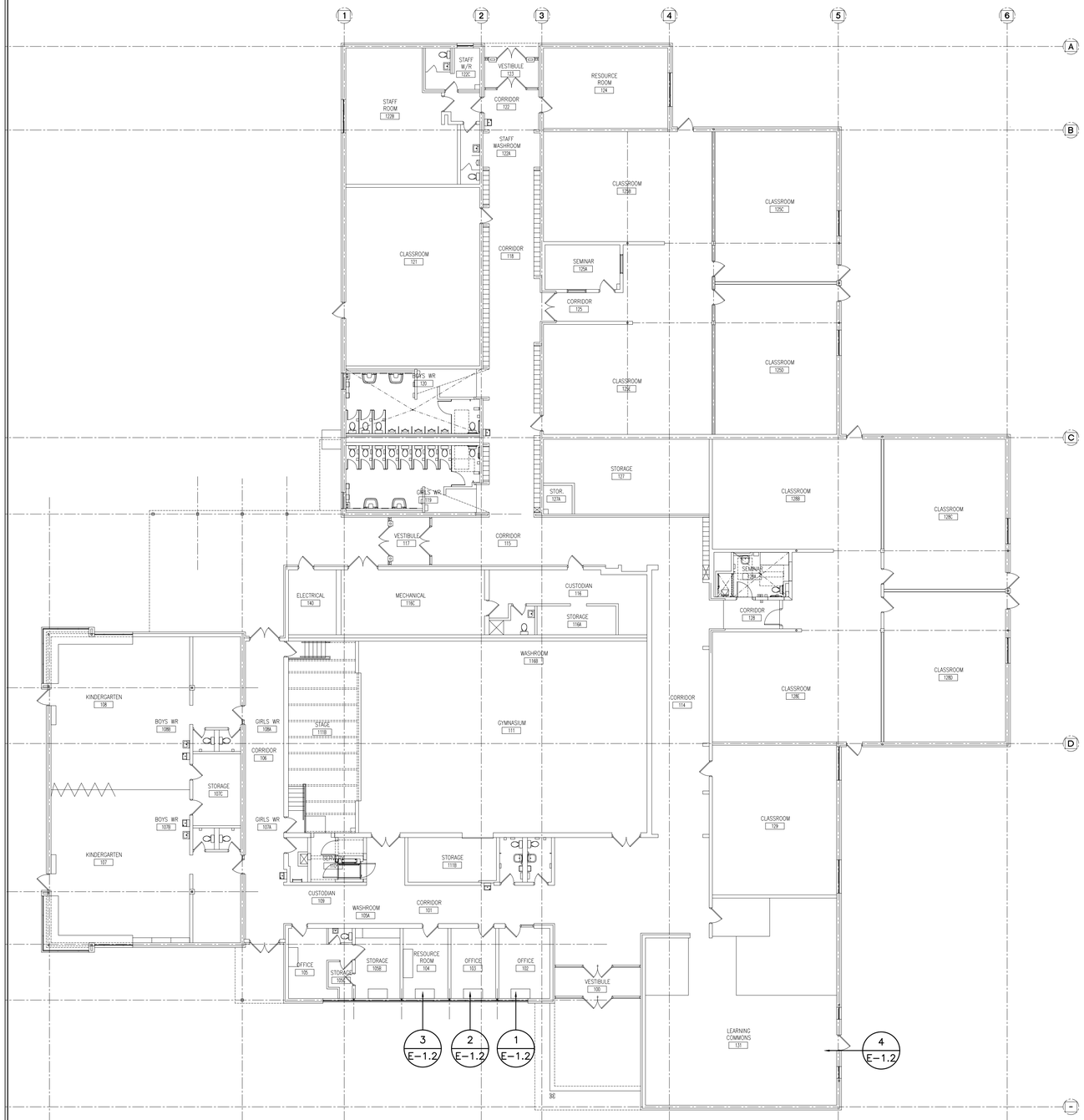
PROJECT:
WINDOW REPLACEMENT AT RICHARD BEASLEY ELEMENTARY SCHOOL

80 CURRIE STREET
HAMILTON, ON
HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

DRAWING:

ELECTRICAL DETAILS

DESIGN BY: KZ	SEAL:
DRAWN BY: KZ	
CHECKED BY: HDC	
DATE: APR. 2026	
SCALE: AS SHOWN	
PROJECT NO: 504131 25198	DRAWING NO: E-1.2



N-1 ROUTE ALL CONDUIT SYSTEMS, ETC., AROUND EXISTING DUCT WORK, PIPING, ETC., AS REQUIRED TO ACCOMMODATE INSTALLATION.

HWDSB

NO.	ISSUES/ REVISIONS	DATE	BY
2	REISSUED FOR TENDER	APR20/26	KZ
1	ISSUED FOR TENDER	APR10/26	KZ

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HCC PROJECT: 26-00772

BBA
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PROJECT:
WINDOW REPLACEMENT AT RICHARD BEASLEY ELEMENTARY SCHOOL

80 CURRIE STREET
HAMILTON, ON
HAMILTON-WENTWORTH DISTRICT SCHOOL BOARD

DRAWING:

ELECTRICAL PLAN GROUND FLOOR

DESIGN BY: KZ	SEAL:
DRAWN BY: KZ	
CHECKED BY: HDC	
DATE: APR. 2026	
SCALE: 1:150	
PROJECT NO: 504131 25198	DRAWING NO: E-2.1