Hazardous Building Materials Assessment (Pre-construction)

New Elevator Project
St. Jean de Brébeuf Catholic Secondary School
200 Acadia Drive, Hamilton, Ontario

Prepared for:

Hamilton-Wentworth Catholic District School Board
90 Mulberry Street
Hamilton, Ontario, L8R 2C8

May 5, 2026

Pinchin File: 368268.009

Issued to:	**Hamilton-Wentworth Catholic District School Board**
Issued on:	**May 5, 2026**
Pinchin File:	**368268.009**
Issuing Office:	**Hamilton, ON**
Primary Pinchin Contact:	**Jessica Cozzitorto** **289.925.8543** **jcozzitorto@pinchin.com**

Author: Shaw Dunn, B.Sc.
Project Coordinator

Project Manager: Jessica Cozzitorto, C. Tech.
Team Leader

Reviewer: Leslie Heywood, BEng Mgt
Senior Project Manager

EXECUTIVE SUMMARY

Hamilton-Wentworth Catholic District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at St. Jean de Brébeuf Catholic Secondary School located at 200 Acadia Drive, Hamilton, Ontario. Pinchin performed the assessment on April 28, 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 the installation of a new elevator on the exterior of the building, as reported by the Client in an email dated April 21, 2026 and as shown on the drawings provided in an email dated April 24, 2026.

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

SUMMARY OF FINDINGS

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

Asbestos:

- Pipe insulation
- Transite rainwater leaders (presumed)
- Vinyl floor tile and mastic
- Caulking (presumed)
- Foil faced heat shield paper

Lead:

- Lead is present in paints and coatings.

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

Mercury: Mercury vapour is not present in lamp tubes.

Polychlorinated Biphenyls (PCBs): Inaccessible caulking is presumed to contain PCBs.

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. Remedial work is recommended regardless of the planned construction work due to the condition of the material. Refer to Section 5.2 for details.
2. Conduct further investigation of all items and materials that were excluded from the scope or areas that were not assessed. Refer to detailed recommendations in Section 5.1.
3. Prepare a scope of work or specifications and safe work procedures for the hazardous materials removal required for the planned work.
4. 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.
5. Remove and properly dispose of asbestos-containing materials prior to demolition or renovation activities.
6. 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 Catholic District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at St. Jean de Brébeuf Catholic Secondary School located at 200 Acadia Drive, Hamilton, Ontario.

Pinchin performed the assessment on April 28, 2026.

The assessor was unaccompanied during the assessment. The assessed area was unoccupied at the time of the assessment.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation activities. Pinchin understands the scope of the renovations to include the installation of a new elevator on the exterior of the building, as reported by the Client in an email dated April 21, 2026 and as shown on the drawings provided in an email dated April 24, 2026.

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.

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

Limited destructive testing 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.Background Information

2.1 Building Description

Item	Details
Year of Construction	1973
Year(s) of Additions	1999, 2018

2.2 Existing Reports

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

- Asbestos Assessment, St. Jean de Brebeuf, 200 Acadia Drive, Hamilton, Ontario, September 2018, Prepared by Pinchin Ltd., Pinchin File: 224334.
- “Asbestos Assessment”, updated July 11, 2025. Pinchin File No. 320582.004.

2.3 Inaccessible Locations

These locations within the assessed area were not accessible to the surveyor and are therefore not included in the report.

Area or Room	Loc No.	Reason
Courtyard	1117	Access not provided due to presence of nesting Canada goose in proximity.

3.0 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.

3.1 Asbestos

3.1.1 Spray-Applied Insulation

Spray-applied fireproofing and overspray present on the structure in the assessed area does not contain asbestos (samples S0057A-D, and AMEC-12A-G, Feb 12/09).

Non-asbestos grey fireproofing S0057A-C, Hallway (Loc. 1011)

Non-asbestos grey fireproofing S0057A-C, Hallway (Loc. 2029)

3.1.2 Pipe Insulation

Parging cement, containing asbestos, is present on pipe fittings (elbows, valves, tees, hangers etc.), (samples S0033A-C, Advanced Environmental Corporation).

Tar paper present on straight sections of pipes in the assessed area does not contain asbestos (samples AMEC-15A-C, Feb 12/09).

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

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

3.1.3 Vermiculite

Destructive testing was conducted of masonry block walls, including creating penetrations at one location.

Loose fill vermiculite was not observed within the cavity.

Vermiculite investigation hole, no vermiculite found.

3.1.4 Acoustic Ceiling Tiles

Description	Sample Number, Date Code or Material Composition	Asbestos
24”x48”, lay-in, scattered pinholes	V0010 and V0018	No
24”x48”, lay-in, horizontal fissures	V0011	No
12” x 12”, glued-on, large pinhole pattern	V0034	No

3.1.5 Plaster

Plaster present on walls and ceilings in the assessed area does not contain asbestos (samples AMEC-7A-G, Feb 12/09).

3.1.6 Drywall Joint Compound

Drywall joint compound present on wall and ceiling finishes in the assessed area does not contain asbestos (samples AMEC-6A-G, Feb 12/09).

Asbestos in drywall joint compound was banned in Canada in 1980. Drywall joint compound in the Hallway 1011 was installed on or after 2018 and is presumed to contain no asbestos.

3.1.7 Asbestos Cement Products

Cement pipe (Transite), presumed to contain asbestos based on visual observation, is present as sanitary drains rainwater leaders in the assessed area.

Presumed asbestos-containing transite pipe, Hallway (Loc. 1011)

3.1.8 Vinyl Sheet Flooring

Vinyl sheet flooring is presumed to be non-asbestos based on historical knowledge of the type of flooring (vinyl planks).

3.1.9 Vinyl Floor Tiles and Mastic

Black mastic, containing asbestos, is present under and adhered to non-asbestos 12”x12” grey with white and dark grey streak vinyl floor tiles (samples S0059A-C).

Mastic, containing asbestos, is present under flooring within the Hallways (Loc. 2027 and 2029) (samples S0051A-C).

Black mastic, containing asbestos, is present under flooring in the Photocopy Room (Loc. 1036) (samples S0058A-C).

12”x12” lime green dense fleck, 9”x9” beige with brown streak and 9”x9” white with multi-colored streak vinyl floor tiles and associated mastic are presumed to be asbestos-containing and are not expected to be impacted by the planned renovations.

Non-asbestos 12”x12” vinyl floor tile, with asbestos-containing mastic S0059A-C, Hallway (Loc. 2029)

3.1.10 Caulking, and Putty

Grey caulking at window frames does not contain asbestos (samples S0052A-C).

Black putty on the glass and frames of metal window frames does not contain asbestos (samples S0055A-C).

The exterior Courtyard (Location 1117) was inaccessible for assessment. Caulking is presumed present on the exterior of curtain walls and is presumed asbestos-containing.

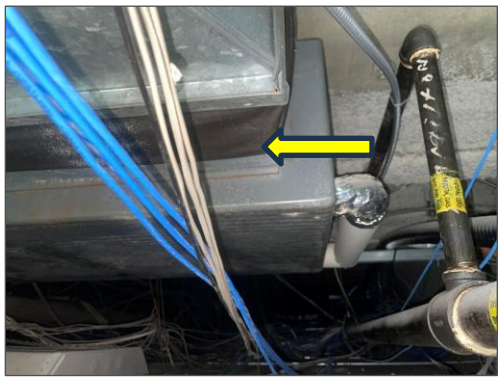
Non-asbestos grey caulking, S0052A-C, Hallway (Loc. 1011)

Non-asbestos black window putty, S0055A-C, Hallway (Loc. 1011)

3.1.11 Textiles

Textile vibration dampers, present as duct connectors in the assessed area, are non-asbestos (samples S0056A-C).

Paper heat shields, containing asbestos, are present within incandescent light fixtures in the Storage (Loc. 2045) (samples AMEC-16, Feb 12/09).



Non-asbestos vibration dampener textile, S0056A-C, Hallway (Loc. 1011)

Asbestos-containing heat shield, Storage (Loc. 2045)

3.1.12 Other Building Materials

Green and white terrazzo is non asbestos containing, located in the Hallway (Loc. 1011) (samples S0053A-C).

Paint present on concrete block in the assessed area does not contain asbestos (samples S0054A-C).

Non-asbestos green and white terrazzo, S0053 Hallway (Loc. 1011)

3.1.13 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:

- Roofing felts and tar, mastics
- Floor levelling compound
- Ceramic tile setting compound
- Electrical components

- Mechanical packing, ropes, and gaskets
- Vermiculite
- Paper products
- Soffit and fascia boards
- Fire resistant doors
- Terrazzo (where not sampled)
- Ropes and gaskets in cast-iron bell and spigot joints
- Sealants on pipe threads

3.2 Lead

3.2.1 Paints and Surface Coatings

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

The following table summarizes the analytical results of paints sampled.

Sample Number	Colour, Substrate Description	Sample Location	Lead (%)	Photo
L0001	Green on concrete block wall	Hallway (Loc. 1011)	<0.0011	
L0002	Red on structural metal	Hallway (Loc. 1011)	0.18	

Results above 0.1% (1,000 mg/kg) are considered lead-containing, and over 0.5% (5,000 mg/kg) are considered lead-based in accordance with the EACC guideline.

Paints containing lead equal to or less than 0.009% (90 mg/kg) are assumed to be insignificant relating to potential exposure from construction disturbance in accordance with the EACC guideline.

3.2.2 Lead Products and Applications

Lead products were not found during the assessment.

3.2.3 Excluded Lead Materials

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

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

3.3 Silica

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

- Concrete
- Masonry and mortar
- Ceramic tiles and grout
- Plaster

3.4 Mercury

3.4.1 Mercury-Containing Devices

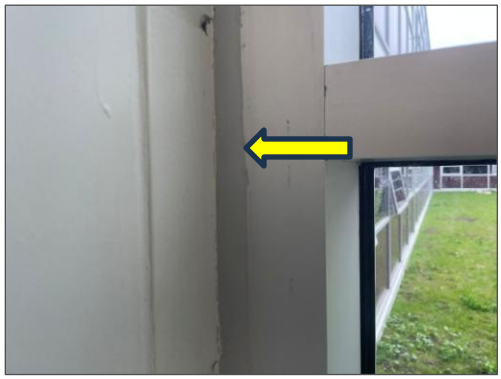
Mercury-containing devices were not found during the assessment.

3.5 Polychlorinated Biphenyls

3.5.1 Caulking and Sealants

Grey caulking is present at window and door frames (sample P0001) and contains <0.2 mg/kg PCBs. The material is a non-PCB solid based on the threshold (50 mg/kg).

The exterior Courtyard (Location 1117) was inaccessible for assessment. Caulking is presumed present on the exterior of curtain walls and is presumed PCB-containing.



Non-PCB grey caulking, Hallway (Loc. 1011)

3.5.2 Lighting Ballasts

Based on the presence of Light Emitting Diode (LED) lamps, the fixtures will not contain PCB ballasts.

3.5.3 Transformers

Transformers were not found during the assessment.

3.5.4 Excluded PCB Materials

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

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

3.6 Mould and Water Damage

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

4.0 RECOMMENDATIONS

4.1 General

1. Prepare performance specifications for the hazardous material removal required for the planned work. The specifications should define the outline of work, risk levels, personal protective equipment, safe work practices and disposal requirements. The specifications should also describe any air monitoring, site reviews and project close-out documentation that is required for regulatory compliance.

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 exterior finishes within the Courtyard (Location 1117) where they will be impacted by the planned work.
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.

4.2 Construction Work

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

4.2.1 Asbestos

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

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

4.2.2 Lead

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

Exposure from construction disturbance of paints containing lead equal to or less than 0.009% (90 mg/kg) is assumed to be insignificant in accordance with the EACC guideline.

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

4.2.3 Silica

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

5.0 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.

6.0 REFERENCES

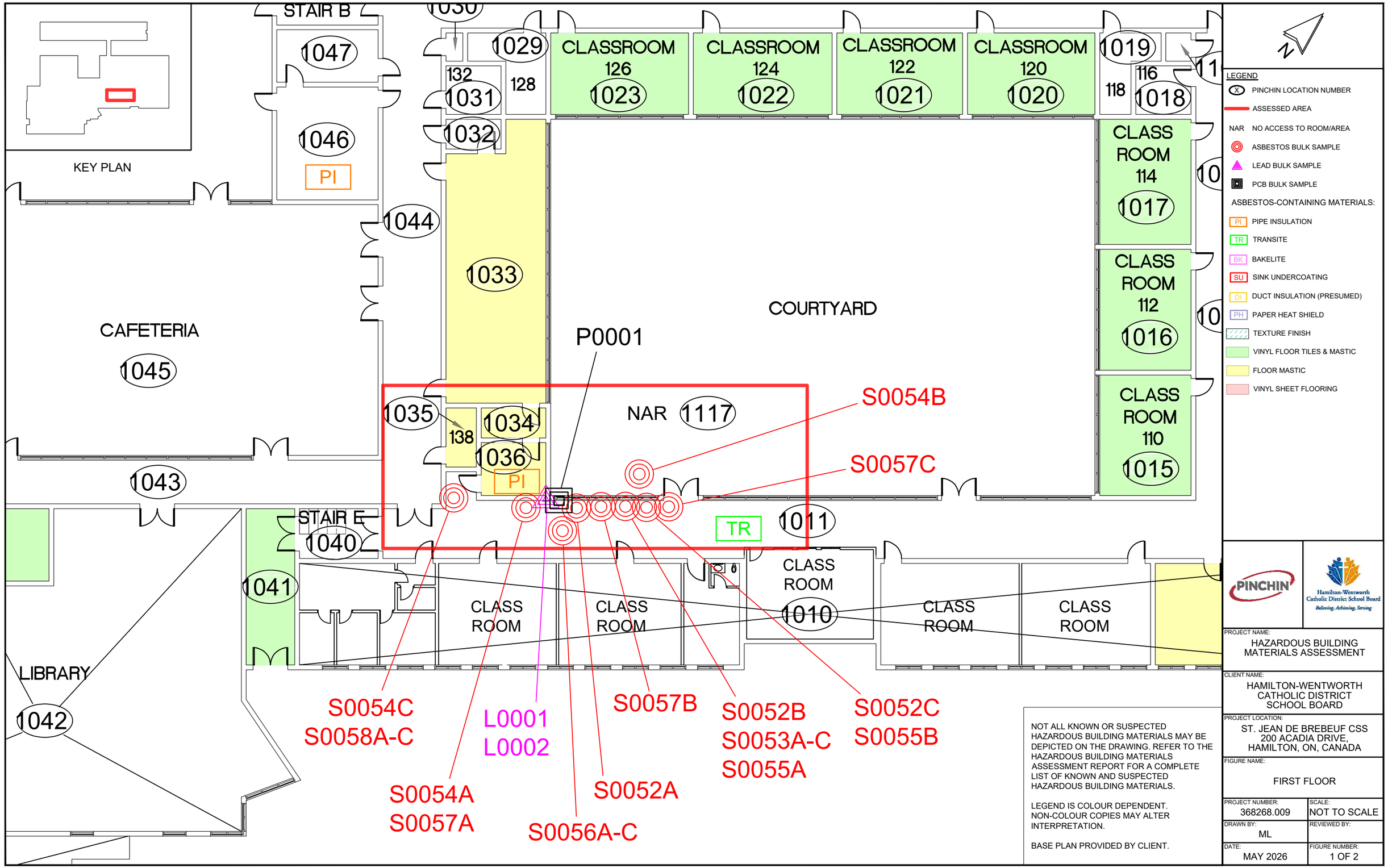
The following legislation and documents were referenced in completing the assessment and this report:

1. Asbestos on Construction Projects and in Buildings and Repair Operations, Ontario Regulation 278/05.
2. Designated Substances, Ontario Regulation 490/09.
3. Lead on Construction Projects, Ministry of Labour Guidance Document.
4. The Environmental Abatement Council of Canada (EACC) Lead Guideline for Construction, Renovation, Maintenance or Repair.
5. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 347 as amended.
6. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 362 as amended.
7. Silica on Construction Projects, Ministry of Labour Guidance Document.
8. Alert – Mould in Workplace Buildings, Ontario Ministry of Labour.
9. PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.
10. Surface Coating Materials Regulations, SOR/2016-193, Canada Consumer Product Safety Act.
11. Consolidated Transportation of Dangerous Goods Regulations, including Amendment SOR/2019-101, Transportation of Dangerous Goods Act.

12. Mould Guidelines for the Canadian Construction Industry, Standard Construction Document CCA 82 – 2004 (Revised 2018), Canadian Construction Association.
13. The Environmental Abatement Council of Canada (EACC) Mould Abatement Guidelines.

APPENDIX I

Drawings



LEGEND

- (X) PINCHIN LOCATION NUMBER
- ASSESSED AREA
- NAR NO ACCESS TO ROOM/AREA
- ASBESTOS BULK SAMPLE
- LEAD BULK SAMPLE
- PCB BULK SAMPLE

ASBESTOS-CONTAINING MATERIALS:

- PI PIPE INSULATION
- TR TRANSITE
- BK BAKELITE
- SU SINK UNDERCOATING
- DI DUCT INSULATION (PRESUMED)
- PH PAPER HEAT SHIELD
- TEXTURE FINISH
- VINYL FLOOR TILES & MASTIC
- FLOOR 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

Hamilton-Wentworth Catholic District School Board
Believing, Achieving, Serving

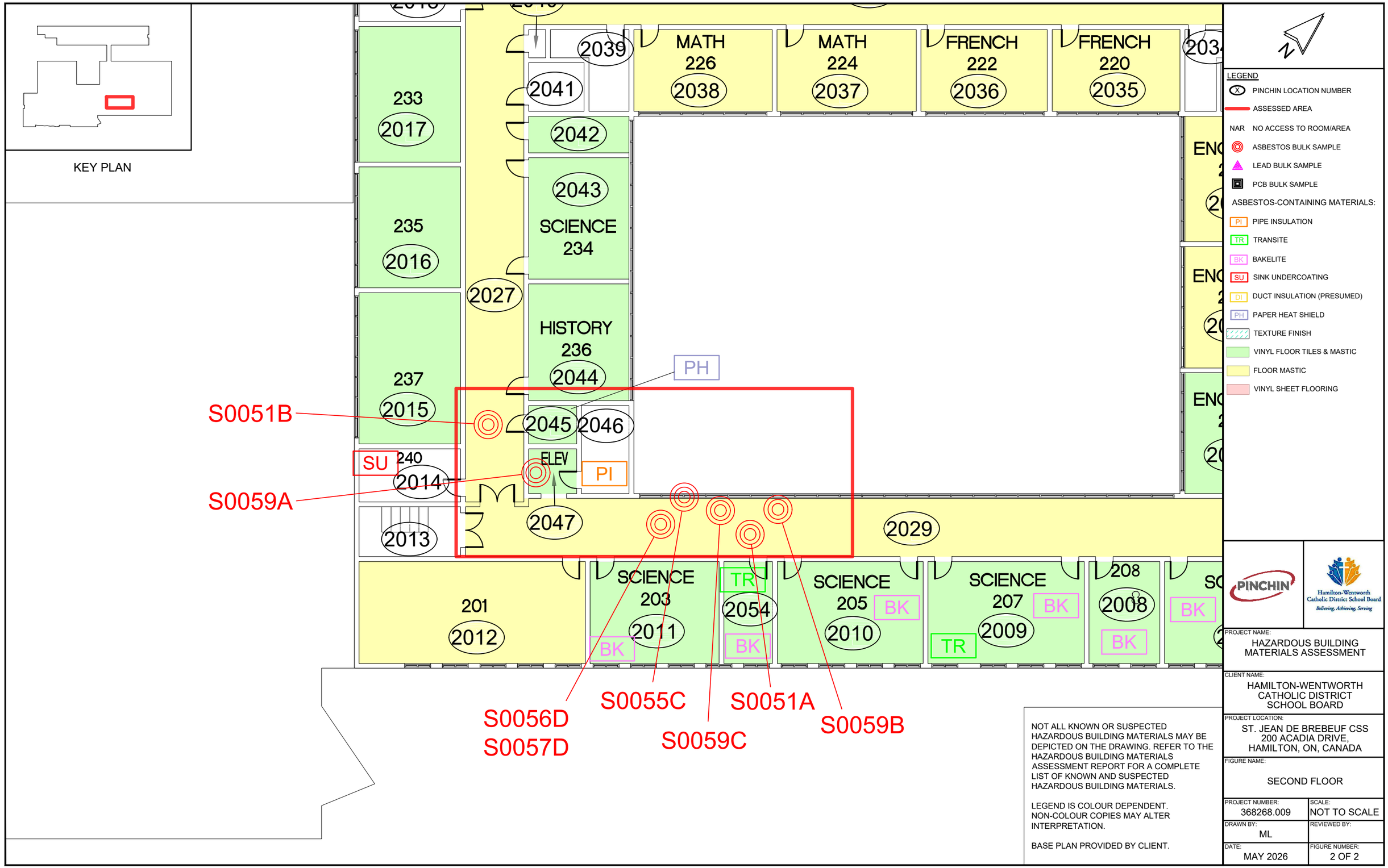
PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT

CLIENT NAME:
HAMILTON-WENTWORTH CATHOLIC DISTRICT SCHOOL BOARD

PROJECT LOCATION:
ST. JEAN DE BREBEUF CSS
200 ACADIA DRIVE,
HAMILTON, ON, CANADA

FIGURE NAME:
FIRST FLOOR

PROJECT NUMBER:	SCALE:
368268.009	NOT TO SCALE
DRAWN BY:	REVIEWED BY:
ML	
DATE:	FIGURE NUMBER:
MAY 2026	1 OF 2


KEY PLAN
233
2017
235
2016
237
2015
SU
240
2014
2013
2039
2041
2042
2043
SCIENCE
234
2027
HISTORY
236
2044
2045
2046
ELEV
PI
2047
MATH
226
2038
MATH
224
2037
FRENCH
222
2036
FRENCH
220
2035
2029
201
2012
SCIENCE
203
2011
BK
TR
2054
BK
SCIENCE
205
2010
BK
SCIENCE
207
2009
TR
208
2008
BK
BK
PH
S0051B
S0059A
S0056D
S0057D
S0055C
S0059C
S0051A
S0059B
N
LEGEND
PINCHIN LOCATION NUMBER
ASSESSED AREA
NAR NO ACCESS TO ROOM/AREA
ASBESTOS BULK SAMPLE
LEAD BULK SAMPLE
PCB BULK SAMPLE
ASBESTOS-CONTAINING MATERIALS:
PI PIPE INSULATION
TR TRANSITE
BK BAKELITE
SU SINK UNDERCOATING
DI DUCT INSULATION (PRESUMED)
PH PAPER HEAT SHIELD
TEXTURE FINISH
VINYL FLOOR TILES & MASTIC
FLOOR 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
Hamilton-Wentworth Catholic District School Board
Believing, Achieving, Serving
PROJECT NAME:
HAZARDOUS BUILDING MATERIALS ASSESSMENT
CLIENT NAME:
HAMILTON-WENTWORTH CATHOLIC DISTRICT SCHOOL BOARD
PROJECT LOCATION:
ST. JEAN DE BREBEUF CSS
200 ACADIA DRIVE,
HAMILTON, ON, CANADA
FIGURE NAME:
SECOND FLOOR
PROJECT NUMBER:
368268.009
SCALE:
NOT TO SCALE
DRAWN BY:
ML
REVIEWED BY:
DATE:
MAY 2026
FIGURE NUMBER:
2 OF 2

APPENDIX II-A

Asbestos Analytical Certificates

Your Project #: 368268.009
Your C.O.C. #: N/A

Attention: Jessica Cozzitorto

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

Report Date: 2026/05/01
Report #: R8733669
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C647071
Received: 2026/04/30, 16:06

Sample Matrix: Solid
Samples Received: 26

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Asbestos by PLM - 0.5 RDL (1)	26	N/A	2026/05/01	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.

Your Project #: 368268.009
Your C.O.C. #: N/A

Attention: Jessica Cozzitorto

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

Report Date: 2026/05/01
Report #: R8733669
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C647071
Received: 2026/04/30, 16:06

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Daria Lisova, Project Manager
Email: daria.lisova@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 #: C647071
Report Date: 2026/05/01

Pinchin Ltd
Client Project #: 368268.009
Sampler Initials: AA

Asbestos Analytical Results

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

S0052A WALL,WINDOW FRAME,CAULKING,GREY CAULKING,LOC:1011,HALLWAY

Bureau Veritas ID: BCIA09 — Date Analyzed: 2026/05/01

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

S0052B WALL,WINDOW FRAME,CAULKING,GREY CAULKING,LOC:1011,HALLWAY

Bureau Veritas ID: BCIA10 — Date Analyzed: 2026/05/01

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

S0052C WALL,WINDOW FRAME,CAULKING,GREY CAULKING,LOC:1011,HALLWAY

Bureau Veritas ID: BCIA11 — Date Analyzed: 2026/05/01

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

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

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

Bureau Veritas Job #: C647071
Report Date: 2026/05/01

Pinchin Ltd
Client Project #: 368268.009
Sampler Initials: AA

Asbestos Analytical Results

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

S0053A FLOOR,TERRAZZO,GREEN AND WHITE,LOC:1011,HALLWAY

Bureau Veritas ID: BCIA12 — Date Analyzed: 2026/05/01

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

S0053B FLOOR,TERRAZZO,GREEN AND WHITE,LOC:1011,HALLWAY

Bureau Veritas ID: BCIA13 — Date Analyzed: 2026/05/01

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

S0053C FLOOR,TERRAZZO,GREEN AND WHITE,LOC:1011,HALLWAY

Bureau Veritas ID: BCIA14 — Date Analyzed: 2026/05/01

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

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

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

Bureau Veritas Job #: C647071
Report Date: 2026/05/01

Pinchin Ltd
Client Project #: 368268.009
Sampler Initials: AA

Asbestos Analytical Results

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

S0054A WALL,PAINT,PAINT ON BLOCK,LOC:1011,HALLWAY

Bureau Veritas ID: BCIA15 — Date Analyzed: 2026/05/01

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

S0054B WALL,PAINT,PAINT ON BLOCK,LOC:1011,HALLWAY

Bureau Veritas ID: BCIA16 — Date Analyzed: 2026/05/01

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

S0054C WALL,PAINT,PAINT ON BLOCK,LOC:1036,PHOTOCOPY ROOM

Bureau Veritas ID: BCIA17 — Date Analyzed: 2026/05/01

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

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

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

Bureau Veritas Job #: C647071
Report Date: 2026/05/01

Pinchin Ltd
Client Project #: 368268.009
Sampler Initials: AA

Asbestos Analytical Results

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

S0055A WINDOW,PUTTY,LOC:1011,HALLWAY

Bureau Veritas ID: BCIA18 Date Analyzed: 2026/05/01

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

S0055B WINDOW,PUTTY,LOC:1011,HALLWAY

Bureau Veritas ID: BCIA19 Date Analyzed: 2026/05/01

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

S0055C WINDOW,PUTTY,LOC:2029,HALLWAY

Bureau Veritas ID: BCIA20 Date Analyzed: 2026/05/01

	P.O.B	Sample Morphology	Asbestos	Other Fibres	Particulate
Layer 1	100	Homogeneous black putty	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 #: C647071
Report Date: 2026/05/01

Pinchin Ltd
Client Project #: 368268.009
Sampler Initials: AA

Asbestos Analytical Results

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

S0056A DUCT,TEXTILE,VIBRATION DAMPER,LOC:1011,HALLWAY

Bureau Veritas ID: BCIA21 — Date Analyzed: 2026/05/01

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous black vibration damper	Not Detected	Glass Fibres	15%	Non-Fibrous

S0056B DUCT,TEXTILE,VIBRATION DAMPER,LOC:1011,HALLWAY

Bureau Veritas ID: BCIA22 — Date Analyzed: 2026/05/01

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous black vibration damper	Not Detected	Glass Fibres	15%	Non-Fibrous

S0056C DUCT,TEXTILE,VIBRATION DAMPER,LOC:1011,HALLWAY

Bureau Veritas ID: BCIA23 — Date Analyzed: 2026/05/01

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous black vibration damper	Not Detected	Glass Fibres	15%	Non-Fibrous

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

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

Bureau Veritas Job #: C647071
Report Date: 2026/05/01

Pinchin Ltd
Client Project #: 368268.009
Sampler Initials: AA

Asbestos Analytical Results

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

S0056D DUCT,TEXTILE,VIBRATION DAMPER,LOC:2029,HALLWAY

Bureau Veritas ID: BCIA24 — Date Analyzed: 2026/05/01

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous black vibration damper	Not Detected	Glass Fibres	15%	Non-Fibrous

S0057A STRUCTURE,FIREPROOFING (FIBROUS),LOC:1011,HALLWAY

Bureau Veritas ID: BCIA25 — Date Analyzed: 2026/05/01

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous grey fireproofing	Not Detected	Mineral Wool	70%	Non-Fibrous

S0057B STRUCTURE,FIREPROOFING (FIBROUS),LOC:1011,HALLWAY

Bureau Veritas ID: BCIA26 — Date Analyzed: 2026/05/01

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous grey fireproofing	Not Detected	Mineral Wool	70%	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 #: C647071
Report Date: 2026/05/01

Pinchin Ltd
Client Project #: 368268.009
Sampler Initials: AA

Asbestos Analytical Results

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

S0057C STRUCTURE,FIREPROOFING (FIBROUS),LOC:1011,HALLWAY

Bureau Veritas ID: BCIA27 — Date Analyzed: 2026/05/01

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous grey fireproofing	Not Detected	Mineral Wool	70%	Non-Fibrous

S0057D STRUCTURE,FIREPROOFING (FIBROUS),LOC:2029,HALLWAY

Bureau Veritas ID: BCIA28 — Date Analyzed: 2026/05/01

	P.O.B	Sample Morphology	Asbestos	Other Fibres		Particulate
Layer 1	100	Homogeneous grey fireproofing	Not Detected	Mineral Wool	70%	Non-Fibrous

S0058A FLOOR,MASTIC, BLACK,FLOOR MASTIC,LOC:1036,PHOTOCOPY ROOM

Bureau Veritas ID: BCIA29 — Date Analyzed: 2026/05/01

	P.O.B	Sample Morphology	Asbestos		Other Fibres	Particulate
Layer 1	100	Homogeneous black mastic	**Chrysotile**	1%		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 #: C647071
Report Date: 2026/05/01

Pinchin Ltd
Client Project #: 368268.009
Sampler Initials: AA

Asbestos Analytical Results

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

S0058B FLOOR,MASTIC, BLACK,FLOOR MASTIC,LOC:1036,PHOTOCOPY ROOM

Bureau Veritas ID: BCIA30 — Date Analyzed: 2026/05/01

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

Comment: Not Analyzed - Positive Stop

S0058C FLOOR,MASTIC, BLACK,FLOOR MASTIC,LOC:1036,PHOTOCOPY ROOM

Bureau Veritas ID: BCIA31 — Date Analyzed: 2026/05/01

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

Comment: Not Analyzed - Positive Stop

S0059A FLOOR,VINYL FLOOR TILE AND MASTIC,12X12 GREY WITH WHITE AND DARK GREY STREAKS,LOC:2029,HALLWAY

Bureau Veritas ID: BCIA32 — Date Analyzed: 2026/05/01

	P.O.B	Sample Morphology	Asbestos		Other Fibres	Particulate
Layer 1	95	Homogeneous grey vinyl floor tile	Not Detected			Non-Fibrous
Layer 2	5	Homogeneous black mastic	**Chrysotile**	1%		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 #: C647071
Report Date: 2026/05/01

Pinchin Ltd
Client Project #: 368268.009
Sampler Initials: AA

Asbestos Analytical Results

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

S0059B FLOOR,VINYL FLOOR TILE AND MASTIC,12X12 GREY WITH WHITE AND DARK GREY STREAKS,LOC:2029,HALLWAY

Bureau Veritas ID: BCIA33 Date Analyzed: 2026/05/01

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

S0059C FLOOR,VINYL FLOOR TILE AND MASTIC,12X12 GREY WITH WHITE AND DARK GREY STREAKS,LOC:2029,HALLWAY

Bureau Veritas ID: BCIA34 Date Analyzed: 2026/05/01

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

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

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

TEST SUMMARY

Bureau Veritas ID: BCIA09 **Collected:** 2026/04/29
Sample ID: S0052A WALL,WINDOW FRAME,CAULKING,GREY CAULKING,LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA10 **Collected:** 2026/04/29
Sample ID: S0052B WALL,WINDOW FRAME,CAULKING,GREY CAULKING,LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA11 **Collected:** 2026/04/29
Sample ID: S0052C WALL,WINDOW FRAME,CAULKING,GREY CAULKING,LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA12 **Collected:** 2026/04/29
Sample ID: S0053A FLOOR,TERRAZZO,GREEN AND WHITE,LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA13 **Collected:** 2026/04/29
Sample ID: S0053B FLOOR,TERRAZZO,GREEN AND WHITE,LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA14 **Collected:** 2026/04/29
Sample ID: S0053C FLOOR,TERRAZZO,GREEN AND WHITE,LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA15 **Collected:** 2026/04/29
Sample ID: S0054A WALL,PAINT,PAINT ON BLOCK,LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

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

TEST SUMMARY

Bureau Veritas ID: BCIA16 **Collected:** 2026/04/29
Sample ID: S0054B WALL,PAINT,PAINT ON BLOCK,LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA17 **Collected:** 2026/04/29
Sample ID: S0054C WALL,PAINT,PAINT ON BLOCK,LOC:1036,PHOTOCOPY ROOM **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA18 **Collected:** 2026/04/29
Sample ID: S0055A WINDOW,PUTTY,LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA18 Dup **Collected:** 2026/04/29
Sample ID: S0055A WINDOW,PUTTY,LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA19 **Collected:** 2026/04/29
Sample ID: S0055B WINDOW,PUTTY,LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA20 **Collected:** 2026/04/29
Sample ID: S0055C WINDOW,PUTTY,LOC:2029,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA21 **Collected:** 2026/04/29
Sample ID: S0056A DUCT,TEXTILE,VIBRATION DAMPER,LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

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

TEST SUMMARY

Bureau Veritas ID: BCIA22 **Collected:** 2026/04/29
Sample ID: S0056B DUCT,TEXTILE,VIBRATION DAMPER,LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA23 **Collected:** 2026/04/29
Sample ID: S0056C DUCT,TEXTILE,VIBRATION DAMPER,LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA24 **Collected:** 2026/04/29
Sample ID: S0056D DUCT,TEXTILE,VIBRATION DAMPER,LOC:2029,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA25 **Collected:** 2026/04/29
Sample ID: S0057A STRUCTURE,FIREPROOFING (FIBROUS),LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA26 **Collected:** 2026/04/29
Sample ID: S0057B STRUCTURE,FIREPROOFING (FIBROUS),LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA27 **Collected:** 2026/04/29
Sample ID: S0057C STRUCTURE,FIREPROOFING (FIBROUS),LOC:1011,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA28 **Collected:** 2026/04/29
Sample ID: S0057D STRUCTURE,FIREPROOFING (FIBROUS),LOC:2029,HALLWAY **Shipped:**
Matrix: Solid **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

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

TEST SUMMARY

Bureau Veritas ID: BCIA28 Dup
Sample ID: S0057D STRUCTURE,FIREPROOFING (FIBROUS),LOC:2029,HALLWAY
Matrix: Solid
Collected: 2026/04/29
Shipped:
Received: 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA29
Sample ID: S0058A FLOOR,MASTIC, BLACK,FLOOR MASTIC,LOC:1036,PHOTOCOPY ROOM
Matrix: Solid
Collected: 2026/04/29
Shipped:
Received: 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA30
Sample ID: S0058B FLOOR,MASTIC, BLACK,FLOOR MASTIC,LOC:1036,PHOTOCOPY ROOM
Matrix: Solid
Collected: 2026/04/29
Shipped:
Received: 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA31
Sample ID: S0058C FLOOR,MASTIC, BLACK,FLOOR MASTIC,LOC:1036,PHOTOCOPY ROOM
Matrix: Solid
Collected: 2026/04/29
Shipped:
Received: 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA32
Sample ID: S0059A FLOOR,VINYL FLOOR TILE AND MASTIC,12X12 GREY WITH WHITE AND DARK GREY SPECKLE,LOC:2029,HALLWAY
Matrix: Solid
Collected: 2026/04/29
Shipped:
Received: 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA33
Sample ID: S0059B FLOOR,VINYL FLOOR TILE AND MASTIC,12X12 GREY WITH WHITE AND DARK GREY SPECKLE,LOC:2029,HALLWAY
Matrix: Solid
Collected: 2026/04/29
Shipped:
Received: 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

Bureau Veritas ID: BCIA34
Sample ID: S0059C FLOOR,VINYL FLOOR TILE AND MASTIC,12X12 GREY WITH WHITE AND DARK GREY SPECKLE,LOC:2029,HALLWAY
Matrix: Solid
Collected: 2026/04/29
Shipped:
Received: 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Asbestos by PLM - 0.5 RDL	MIC	A143653	N/A	2026/05/01	Haseeb Ahmad

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

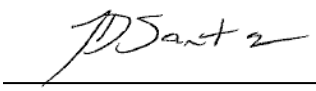
GENERAL COMMENTS

Results relate only to the items tested.

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

VALIDATION SIGNATURE PAGE

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



Jon Delos Santos, Laboratory Supervisor

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

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

C647071
2026/04/30 16:06

NONT-2026-04-6289

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

Special Instructions:

Client Name:				**Project Address:**	ON		
Portfolio/Building No:				**Pinchin File:**	368268.009		
Submitted by:	Adam Altena			**Email:**	aaltena@pinchin.com		
CC Email:				**CC Email:**	jcozzitorto@pinchin.com		
Date Submitted:	April	29	2026	**Required by:**	May	1	2026
# of Samples:	26			**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 #:				163763/202632859780612			
To be Completed by Lab Personnel Only:							
Lab Reference #:	APR 3 0 2026			**Time:** 16:04	24 hour clock		
Received by:				**Date:** 2026/04/30	Month	Day	Year
Name(s) of Analyst(s):	Sd Soban SHWAN						

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0052	A	Wall,Window Frame,Caulking,Grey Caulking,Loc:1011,Hallway
S	0052	B	Wall,Window Frame,Caulking,Grey Caulking,Loc:1011,Hallway
S	0052	C	Wall,Window Frame,Caulking,Grey Caulking,Loc:1011,Hallway
S	0053	A	Floor,Terrazzo,Green And White,Loc:1011,Hallway
S	0053	B	Floor,Terrazzo,Green And White,Loc:1011,Hallway
S	0053	C	Floor,Terrazzo,Green And White,Loc:1011,Hallway

BU

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0054	A	Wall,Paint,Paint On Block,Loc:1011,Hallway
S	0054	B	Wall,Paint,Paint On Block,Loc:1011,Hallway
S	0054	C	Wall,Paint,Paint On Block,Loc:1036,Photocopy Room
S	0055	A	Window,Putty,Loc:1011,Hallway
S	0055	B	Window,Putty,Loc:1011,Hallway
S	0055	C	Window,Putty,Loc:2029,Hallway
S	0056	A	Duct,Textile,Vibration Damper,Loc:1011,Hallway
S	0056	B	Duct,Textile,Vibration Damper,Loc:1011,Hallway
S	0056	C	Duct,Textile,Vibration Damper,Loc:1011,Hallway
S	0056	D	Duct,Textile,Vibration Damper,Loc:2029,Hallway
S	0057	A	Structure,Fireproofing (fibrous),Loc:1011,Hallway
S	0057	B	Structure,Fireproofing (fibrous),Loc:1011,Hallway
S	0057	C	Structure,Fireproofing (fibrous),Loc:1011,Hallway
S	0057	D	Structure,Fireproofing (fibrous),Loc:2029,Hallway
S	0058	A	Floor,Mastic, Black,Floor Mastic,Loc:1036,Photocopy Room

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0058	B	Floor,Mastic, Black,Floor Mastic,Loc:1036,Photocopy Room
S	0058	C	Floor,Mastic, Black,Floor Mastic,Loc:1036,Photocopy Room
S	0059	A	Floor,Vinyl Floor Tile And Mastic,12x12 Grey With White And Dark Grey Streaks,Loc:2029,Hallway
S	0059	B	Floor,Vinyl Floor Tile And Mastic,12x12 Grey With White And Dark Grey Streaks,Loc:2029,Hallway
S	0059	C	Floor,Vinyl Floor Tile And Mastic,12x12 Grey With White And Dark Grey Streaks,Loc:2029,Hallway

APPENDIX II-B

Lead Analytical Certificates

Your Project #: 368268.009
Your C.O.C. #: N/A

Attention: Jessica Cozzitorto

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

Report Date: 2026/05/01
Report #: R8733964
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C647072
Received: 2026/04/30, 16:06

Sample Matrix: Bulk
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Metals in Paint	2	2026/05/01	2026/05/01	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 #: 368268.009
Your C.O.C. #: N/A

Attention: Jessica Cozzitorto

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

Report Date: 2026/05/01
Report #: R8733964
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C647072
Received: 2026/04/30, 16:06

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Daria Lisova, Project Manager
Email: daria.lisova@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.

ELEMENTS BY ATOMIC SPECTROSCOPY (BULK)

Bureau Veritas ID		BCIA35			BCIA36			
Sampling Date								
COC Number		N/A			N/A			
	UNITS	**L0001, WALL, CONCRETE BLOCK, PAINT ON BLOCK, LOC:1011, HALLWAY**	**RDL**	**MDL**	**L0002, STRUCTURE, METAL, RED ON STRUCTURE, LOC:1011, HALLWAY**	**RDL**	**MDL**	**QC Batch**
Metals								
Lead (Pb)	%	<0.0011	0.0011	0.00033	0.18	0.0076	0.0023	A143582

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 #: C647072
Report Date: 2026/05/01

Pinchin Ltd
Client Project #: 368268.009
Sampler Initials: AA

TEST SUMMARY

Bureau Veritas ID: BCIA35 **Collected:**
Sample ID: L0001, WALL, CONCRETE BLOCK, PAINT ON BLOCK, LOC:1011, HALLWAY **Shipped:**
Matrix: Bulk **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	A143582	2026/05/01	2026/05/01	Japneet Gill

Bureau Veritas ID: BCIA36 **Collected:**
Sample ID: L0002, STRUCTURE, METAL, RED ON STRUCTURE, LOC:1011, HALLWAY **Shipped:**
Matrix: Bulk **Received:** 2026/04/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Metals in Paint	ICP	A143582	2026/05/01	2026/05/01	Japneet Gill

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 BCIA35 [L0001, WALL, CONCRETE BLOCK, PAINT ON BLOCK, LOC:1011, HALLWAY] : 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 BCIA36 [L0002, STRUCTURE, METAL, RED ON STRUCTURE, LOC:1011, HALLWAY] : 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.

Metals Analysis: Due to the sample matrix, sample required dilution. Detection limit was 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

QUALITY ASSURANCE REPORT

			Matrix Spike		Method Blank		RPD		QC Standard	
QC Batch	**Parameter**	**Date**	**% Recovery**	**QC Limits**	**Value**	**UNITS**	**Value (%)**	**QC Limits**	**% Recovery**	**QC Limits**
A143582	Lead (Pb)	2026/05/01	NC	75 - 125	<0.00010	%	3.4	35	107	75 - 125

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

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

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

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

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

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

VALIDATION SIGNATURE PAGE

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

Louise Harding, Scientific Specialist

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

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

C647072
2026/04/30 16:06

NONT-2026-04-6287

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: Adam Altena	Contact Name:	P.O. #/ AFE#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address:	Address:	Project #: 368268.009	Rush TAT (Surcharges will be applied)
Phone: Fax:	Phone: Fax:	Site Location:	☒ 1 Day ☐ 2 Days ☐ 3-4 Days
Email: aaltena@pinchin.com jcozzitorto@pinchin.com	Email:	Site #:	Date Required: May 1 2026
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS DRINKING WATER CHAIN OF CUSTODY		Site Location Province:_____ ON Sampled By:_____ Adam Altena	Rush Confirmation #:

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

Include Criteria on Certificate of Analysis: Y / N

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

SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / Hg / CrVI	BTEX/ PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 ICPMS METALS	REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B)	Lead (Pb) in Paints	PCBs							HOLD- DO NOT ANALYZE
L0001, Wall, Concrete Block, Paint On Block,Loc:1011,Hallway			BULK									X								
L0002, Structure, Metal, Red On Structure,Loc:1011,Hallway			BULK									X								

Analysis Requested

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 #
Adam Altena	2026-04-29	15:00	Sukan Sawan	2026/04/30	16:06	

APPENDIX II-C

PCB Analytical Certificates

AEVITAS INC. (AYR)
ANALYTICAL CHEMISTRY DEPARTMENT
75 WANLESS COURT, AYR, ONTARIO, N0B 1E0, CANADA
WWW.AEVITAS.CA

Certificate of Analysis

Adam Altena

Pinchin Ltd. (Mississauga)
2360 Meadowpine Blvd., Unit 2, Mississauga, ON L5N 6S2

Date of Issue: May 04, 2026

Report Description: ***1 solid sample was submitted for the following chemical analysis***

Project Name:		**Date Sampled:**	
Project No.:	368268.009	**Date Tested:**	May 01, 2026
Site Location:		**Sampled by:**	Adam Altena

Report Number: 26-0606

No.	Analyte	Result	Units	MDL	Comments	Technique / Test Method
1	*Sample ID.:* ***P0001 - Caulking, Caulking at Windows, Loc: 1011, Hallway***					
	PCBs in Solids	**<0.2**	mg/Kg	0.2		LAB-M06 (EPA 3550C/8082A modified)

Results apply to the sample(s) as received.

Approved By:

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

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

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

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

APPENDIX III
Methodology

1.0 GENERAL

An 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.

The following methodologies appropriate to each hazardous building material were applied where those materials were included in the scope of work.

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]	0.1%
Ontario	0.5%	0.5%
Nova Scotia	0.5%[1]	0.5%
New Brunswick, Prince Edward Island, Newfoundland and Labrador	1%	1%
Yukon, Nunavut, Northwest Territories	1%	1%
Federal	1%	1%

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

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

Asbestos materials were evaluated to determine any remedial work based on the Evaluation Criteria and Basis of Recommendations presented in Annex A.

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 regulated or industry accepted methods, including flame atomic absorption or inductively coupled plasma.

[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.

Analytical results were compared to the following criteria.

Jurisdiction*	Units (%)	Units (ppm) / (mg/kg)
British Columbia**	0.009	90
Alberta	0.009	90
Saskatchewan**	0.009	90
Manitoba	0.009	90
Ontario	0.009	90
Nova Scotia	0.009	90
New Brunswick	0.009	90
Prince Edward Island	0.009	90
Newfoundland	0.009	90
Yukon	0.009	90
Nunavut, 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, however the Surface Coating Materials Regulation criteria of 0.009% (90 ppm) is referenced.

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

Where included in the scope of work, select paint samples including the substrate (e.g., wood, concrete, plaster) were submitted for waste characterization analysis following CGSB 164-GP-IMP or TCLP Method 1311. Analytical results were compared against local provincial requirements.

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 ballasts to contain PCBs was based on the age of the building and visual observations of the type of fixture and lamp.

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

Non-liquid forms (caulking, sealants, or paints) were sampled and submitted for PCB analysis. Sampling of certain building materials is not conducted after specific construction dates.

Sample results are compared to the criteria 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.

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).

APPENDIX IV

Location Summary Report

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

LOCATIONS LIST

PINCHIN
1.855.PINCHIN www.pinchin.com

Client:Hamilton-Wentworth Catholic District Sch **Site: 200 Acadia Drive, Hamilton, ON**
Building Name: St Jean de Brebeuf
Survey Date: 2018-08-03 **Last Re-Assessment:**
Building Phases: A: 1973 , B: 2018

Location No.	Name or Description	Area ft²	Floor No.	Bldg. Phase	Notes
1011	Hallway	0	1	A	
1033	Staff Lounge	0	1	A	
1034	Photocopy Supply Room	0	1	A	
1035	Womens Staff Washroom	0	1	A	
1036	Photocopy Room	0	1	A	
1044	Hallway	0	1	A	
1117	Courtyard	0		A	Inaccessible during 2026 assessment 368268.009 due to nesting Canada goose present in the vicinity.
2027	Hallway	0	2	A	
2029	Hallway	0	2	A	
2044	History Classroom 236, room no. 236	0	2	A	
2045	Storage	0	2	A	
2046	Foyer	0	2	A	
2047	Storage	0	2	A	

APPENDIX V

Hazardous Materials Summary Report / Sample Log

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

HAZARDOUS MATERIALS SUMMARY / SAMPLE LOG

PINCHIN
1.855.PINCHIN www.pinchin.com

Client:Hamilton-Wentworth Catholic District Sch **Site: 200 Acadia Drive, Hamilton, ON** **Building Name: St Jean de Brebeuf** **Survey Date: 2018-08-03**

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	V0006	Ceiling, Wall | Bulkhead | Drywall And Joint Compound | Amec-6 (12-feb-09)	1034,1036	A	0	0	0	100	None Detected	No	
Asbestos	V0007	Ceiling | | Plaster | Amec-7 (12-feb-09)	1033,1034,1035,1036,2044,2045,2046,2047	A	0	0	0	0	None Detected	No	
Asbestos	V0010	Ceiling | Acoustic Tile | Ceiling Tiles (lay-in) | Amec-10 (12-feb-09)	1044,2027,2029	A	0	0	0	0	None Detected	No	
Asbestos	V0011	Ceiling | Acoustic Tile | Ceiling Tiles (lay-in) | Amec-11 (12-feb-09)	1011,1033,1044,2027,2029	A	0	0	0	0	None Detected	No	
Asbestos	S0012 EF	Structure | | Fireproofing (cementitious) | Amec-12 (12-feb-09)	1011,1044,2027,2029	A	0	0	0	0	None Detected	No	
Asbestos	S0015 C	Piping | | Tar Paper | Amec-15 (12-feb-09)	1011	A	0	0	0	0	None Detected	No	
Asbestos	S0016 A	Other | Light Fixture | Foil Face | Amec-16 (12-feb-09)	2045	A	0	0	1	0	Chrysotile	Yes	NF
Asbestos	V0018	Ceiling | Acoustic Tile | Ceiling Tiles (lay-in) | Amec-18 (12-feb-09)	1011	A	0	0	0	0	None Detected	No	
Asbestos	V0033	Piping | | Parging Cement | "advanced Environmental Corporation"	1036,2046	A	0	0	4	0	Chrysotile	Yes	F
Asbestos	V0034	Ceiling, Wall | Acoustic Tile | Ceiling Tiles (glue-on) | Sample Id 10074-sjb-201 (sampled 25-may-10) - 1' X 1' Glued-on Ceiling Tile, Large Pinhole Pattern	2044	A	0	0	0	100	None Detected	No	
Asbestos	S0051 AB	Floor | | Mastic |	2027,2029	A	0	2000	0	0	Chrysotile	Yes	NF
Asbestos	S0052 ABC	Wall | Window Frame | Caulking | Grey Caulking	1011	A	0	0	0	0	None Detected	No	
Asbestos	S0053 ABC	Floor | | Terrazzo | Green And White	1011	A	0	0	0	0	None Detected	No	
Asbestos	S0054 ABC	Wall | | Paint | Paint On Block	1011,1036	A	0	0	0	0	None Detected	No	
Asbestos	S0055 ABC	Other | Window | Putty |	1011,2029	A	0	0	0	0	None Detected	No	
Asbestos	S0056 ABCD	Duct | | Textile | Vibration Damper	1011,2029	A	0	0	0	0	None Detected	No	
Asbestos	S0057 ABCD	Structure | | Fireproofing (fibrous) |	1011,2029	A	0	0	0	0	None Detected	No	
Asbestos	S0058 ABC	Floor | | Mastic, Black | Floor Mastic	1036	A	0	0	0	0	Chrysotile	Yes	NF
Asbestos	S0059 ABC	Floor | | Vinyl Floor Tile And Mastic | 12x12 Grey With White And Dark Grey Streaks	2029	A	0	1000	0	0	Chrysotile	Yes	NF
Asbestos	V9500	Floor | | Mastic |	1033,1034,1035,2044,2045,2047	A	0	0	0	100	Presumed Asbestos	Yes	NF
Asbestos	V9500	Floor | | Vinyl Floor Tile (no Mastic) | 12x12 Lime Green Dense Fleck, 9x9 Beige W Brown Streak, 9x9 White W Multi-colour Streak	1035,2044,2045,2047	A	0	0	0	100	Presumed Asbestos	Yes	NF
Asbestos	V9500	Other | Window | Caulking |	1117	A	0	0	0	100	Presumed Asbestos	Yes	NF
Asbestos	V9500	Piping | Rain Water Leader | Cement Product |	1011	A	40	0	0	0	Presumed Asbestos	Yes	NF

HAZARDOUS MATERIALS SUMMARY / SAMPLE LOG

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	V0000	Ceiling | | Drywall And Joint Compound | 2018	1011	A	0	0	0	100	Non Asbestos	No	
Asbestos	V0000	Floor | | Ceramic Tiles |	2046	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Floor | | Vinyl Sheet Flooring | Vinyl Plank	1033,1034,1036	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Piping | | Fibreglass |	1011,1036,2047	A	0	0	0	0	Non Asbestos	No	
Paint	L0001	Wall | Concrete Block | Paint On Block	1011	A	0	0	0	0		No	-
Paint	L0002	Structure | Metal | Red On Structure	1011	A	0	0	0	0		Lead (High)	-
PCB	P0001	Caulking | Caulking At Windows	1011	A	0	0	0	0	-	No	-
PCB	V9500	Caulking	1117	A	0	0	0	100	Presumed PCB	Yes	-
Hg	V0000	Light Fixture	1011	A	0	0	0	100	-	No	-

Legend:

Sample number	
S####	Asbestos sample collected
L####	Paint sample collected
P####	PCB sample collected
M####	Mould sample collected
V####	Material visually similar to numbered sample collected
V0000	Known non Hazardous Material
V9000	Material is visually identified as Hazardous Material
V9500	Material is presumed to be Hazardous Material
[Loc. No.]	Abated Material

Units	
SF	Square feet
LF	Linear feet
EA	Each
%	Percentage

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

APPENDIX VI

HMIS All Data Report

HMIS
HAZARDOUS MATERIALS INVENTORY SYSTEM

ALL DATA REPORT

PINCHIN
1.855.PINCHIN www.pinchin.com

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #1011 : Hallway **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound, 2018			C	Y		100			%	V0000	Non-Asbestos		None	
Ceiling	Acoustic tile	Ceiling Tiles (lay-in), 2x4 Scattered Pattern			C	Y						V0018	None Detected		None	
Ceiling	Acoustic tile	Ceiling Tiles (lay-in), 2x4 Horizontal Fissure			C	Y						V0011	None Detected		None	
Duct		Textile, Vibration damper			C	N						S0056ABC	None Detected	N.D.	None	
Duct		Not Insulated			C	N										
Floor		Terrazzo, Multi-Colour			A	Y										
Floor		Terrazzo, Green and white			A	Y						S0053ABC	None Detected	N.D.	None	
Other	Window	Putty			A	Y						S0055AB	None Detected	N.D.	None	
Piping		Fibreglass	Insulation	Polyvinyl chloride (PVC)	C	N						V0000	Non-Asbestos		None	
Piping		Tar Paper	Insulation		C	N						S0015C	None Detected		None	
Piping		Not Insulated			C	N										
Piping[1]	Rain water leader	Cement Product			B	Y		40(7)			LF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Structure		Fireproofing (Cementitious), Soft Beige Spray-Applied			C	N						S0012F	None Detected		None	
Structure		Fireproofing (Fibrous)			C	N						S0057ABC	None Detected	N.D.	None	
Wall		Masonry			A	Y										
Wall		Ceramic Tiles, Multi-Colour			A	Y										
Wall		Paint, Paint on block			A	Y						S0054AB	None Detected	N.D.	None	
Wall		Glass			A	Y										
Wall	Window frame	Caulking, Grey caulking			A	Y						S0052ABC	None Detected	N.D.	None	

1 - Hatch

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #1011 : Hallway **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Concrete Block				L0001	Paint on block	Pb: <0.0011 %	No
Structure	Metal				L0002	Red on structure	Pb: 0.18 %	Lead (High)

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #1011 : Hallway **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	100	%	V0000	None

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #1011 : Hallway **Floor: 1** **Room #:** **Area (sqft): 0**

Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

PCB							
Component	**Good**	**Poor**	**Unit**	**Sample**	**Sample Description**	**Amount**	**PCB**
Caulking			Kg	P0001	Caulking at windows	<0.2 mg/kg	No

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #1033 : Staff Lounge **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	N						V0007	None Detected		None	
Ceiling	Acoustic tile	Ceiling Tiles (lay-in), 2x4 Horizontal Fissure			C	Y						V0011	None Detected		None	
Floor		Vinyl Floor Tile and Mastic, 12x12 beige with Brown flecks			A	Y		100			%	V9500	[None]	[Abated]	[Abated]	
Floor		Vinyl Sheet Flooring, vinyl plank			A	Y						V0000	Non-Asbestos		None	
Floor		Ceramic Tiles			A	Y										
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12x12 Rose with Brown Fleck			A	Y		100			%	V9500	[None]	[Abated]	[Abated]	
Floor		Vinyl Floor Tile (No Mastic), 9x9 Beige with Brown Fleck			A	Y		100			%	V9500	[None]	[Abated]	[Abated]	
Piping		Not Insulated			C	Y										
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #1034 : Photocopy Supply Room **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	Y						V0007	None Detected		None	
Ceiling	Bulkhead	Drywall and joint compound			C	Y						V0006	None Detected		None	
Floor		Vinyl Sheet Flooring, vinyl plank			A	Y						V0000	Non-Asbestos		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12x12 Light Grey Dense Fleck			A	Y						V0037	[None]	[Abated]	[Abated]	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #1035 : Womens Staff Washroom **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	Y						V0007	None Detected		None	
Floor		Terrazzo			A	Y										
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 9x9 White w Multi-Colour Streak			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #1036 : Photocopy Room **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	Y						V0007	None Detected		None	
Floor		Vinyl Sheet Flooring, vinyl plank			A	Y						V0000	Non-Asbestos		None	
Floor		Mastic, Black, Floor mastic			D	N						S0058ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12x12 Light Grey Dense Fleck			A	Y						V0037	[None]	[Abated]	[Abated]	
Floor		Vinyl Floor Tile (No Mastic), 9x9 White w Multi-Colour Streak			A	Y		100			%	V9500	[None]	[Abated]	[Abated]	
Piping		Fibreglass	Insulation	Polyvinyl chloride (PVC)	C	Y						V0000	Non-Asbestos		None	
Piping		Parging Cement	Fitting		C	Y		2(7)			EA	V0033	Chrysotile	25-50%	Confirmed Asbestos	F
Wall[1]		Drywall and joint compound			A	Y		100			%	V0006	None Detected		None	
Wall		Masonry			A	Y										
Wall		Paint, Paint on block			A	Y						S0054C	None Detected	N.D.	None	

1 - Adjacent corridor

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #1044 : Hallway **Floor: 1** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Acoustic tile	Ceiling Tiles (lay-in), 2x4 Horizontal Fissure			C	Y						V0011	None Detected		None	
Ceiling	Acoustic tile	Ceiling Tiles (lay-in), 2x4 Scattered Pattern			C	Y						V0010	None Detected		None	
Floor		Terrazzo			A	Y										
Structure		Fireproofing (Cementitious), Soft Beige Spray-Applied			C	N						S0012E	None Detected		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #1117 : Courtyard **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Other[1]	Window	Caulking			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall	Curtain wall	Metal			A	Y										
Wall	Curtain wall	Glass			A	Y										

Inaccessible during 2026 assessment 368268.009 due to nesting Canada goose present in the vicinity.
1 - Inaccessible for assessment, presumed to be present.

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #1117 : Courtyard **Floor:** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Caulking[1]	100		%	V9500	Curtain wall.		Presumed

Inaccessible during 2026 assessment 368268.009 due to nesting Canada goose present in the vicinity.
1 - Inaccessible for assessment, presumed to be present.

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #2027 : Hallway **Floor: 2** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Acoustic tile	Ceiling Tiles (lay-in), 2x4 Horizontal Fissure			C	Y						V0011	None Detected		None	
Ceiling	Acoustic tile	Ceiling Tiles (lay-in), 2x4 Scattered Pattern			C	Y						V0010	None Detected		None	
Floor		Mastic			A	Y		1000(7)			SF	S0051B	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Abated Material, 12x12 Beige w Tan Streak													[Abated]	
Structure		Fireproofing (Cementitious), Soft Beige Spray-Applied			C	N						V0012	None Detected		None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #2029 : Hallway **Floor: 2** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Acoustic tile	Ceiling Tiles (lay-in), 2x4 Horizontal Fissure			C	Y						V0011	None Detected		None	
Ceiling	Acoustic tile	Ceiling Tiles (lay-in), 2x4 Scattered Pattern			C	Y						V0010	None Detected		None	
Duct		Textile, Vibration damper			C	N						S0056D	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12x12 grey with white and dark grey streaks			A	Y		1000(7)			SF	S0059ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Mastic			D	N		1000(7)			SF	S0051A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Abated Material, 12x12 Beige w Tan Streak													[Abated]	
Other	Window	Putty			A	Y						S0055C	None Detected	N.D.	None	
Structure		Fireproofing (Cementitious), Soft Beige Spray-Applied			C	N						V0012	None Detected		None	
Structure		Fireproofing (Fibrous)			C	N						S0057D	None Detected	N.D.	None	
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #2044 : History Classroom 236 **Floor: 2** **Room #: 236** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	N						V0007	None Detected		None	
Ceiling	Acoustic tile	Ceiling tiles (glue-on), 1x1 LPH			C	Y		100			%	V0034	None Detected	N.D.	None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 12x12 Lime Green Dense Fleck			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry			A	Y										
Wall	Acoustic tile	Ceiling tiles (glue-on), 1x1 LPH			C	Y		100			%	V0034	None Detected	N.D.	None	

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #2045 : Storage **Floor: 2** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	Y						V0007	None Detected		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 9x9 Beige w Brown Streak			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Other	Light fixture	Foil Face, On Incandescent Lights			C	N		1(7)			EA	S0016A	Chrysotile	25-50%	Confirmed Asbestos	NF
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #2046 : Foyer **Floor: 2** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	Y						V0007	None Detected		None	
Duct		Not Insulated			A	Y										
Floor		Ceramic Tiles			A	Y						V0000	Non-Asbestos		None	
Piping		Parging Cement			C	Y		2(7)			EA	V0033	Chrysotile	25-50%	Confirmed Asbestos	F
Wall		Masonry			A	Y										

Client: Hamilton-Wentworth Catholic District Sch **Site: Secondary** **Building Name: St Jean de Brebeuf**
Location: #2047 : Storage **Floor: 2** **Room #:** **Area (sqft): 0**
Survey Date: 2018-08-03 **Last Re-Assessment: 0000-00-00**

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Plaster			C	Y						V0007	None Detected		None	
Floor		Mastic			D	N		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Vinyl Floor Tile (No Mastic), 9x9 Beige w Brown Streak			A	Y		100(7)			%	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Fibreglass	Insulation	Polyvinyl chloride (PVC)	C	Y						V0000	Non-Asbestos		None	
Wall		Masonry			A	Y										

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				