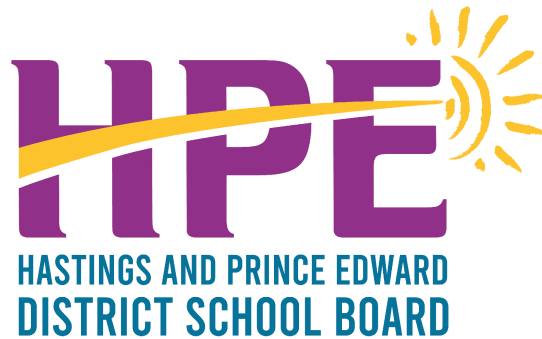


NORTH HASTINGS HIGH SCHOOL DUST COLLECTOR REPLACEMENT

14 Monck St, Bancroft, Ontario K0L 1C0



HASTINGS AND PRINCE EDWARD DISTRICT SCHOOL BOARD

SUPPLEMENTARY INFORMATION

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Hazardous Building Materials Assessment North Hastings Secondary School

14 Monck Street, Bancroft,
Ontario

Prepared for:

Hastings and Prince Edward District School Board

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Attention: Melanie Zeitz-Morrish
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March 1, 2018

Pinchin File: 200584.030



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EXECUTIVE SUMMARY

Hastings and Prince Edward District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at 4 Monck Street, Bancroft, Ontario. Pinchin performed the assessment on January 27, 2018.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation, but also provides sufficient detail to evaluate condition and develop corrective action plans for the purposes of long term management. The results of this assessment are intended for use with a properly developed scope of work and performance specification.

The assessed area consisted of the entire building, excluding the roof.

SUMMARY OF FINDINGS

Asbestos: Asbestos-containing materials (ACM) are present as follows:

- Friable, texture finish, containing chrysotile asbestos, is present on the plaster ceiling in Rooms 118B, 118C and 118D, in good condition.
- Friable, parging cement insulation, containing chrysotile asbestos, is present on pipe fittings in various locations throughout the building, in good condition.
- Friable, Aircell insulation, containing chrysotile asbestos, is present on the straight sections of pipes in various locations throughout the building, in good condition.
- Friable, sweatwrap insulation, containing chrysotile asbestos, is present on the straight sections of pipes in various locations throughout the building, in good condition with the exception 5 square feet of sweatwrap debris laying on top of the plaster ceiling at the north end of Corridor 162.
- Friable, parging cement, containing chrysotile asbestos, is present over the fiberglass insulation on ducts in the 2nd floor fan room 164, in good condition.
- Potentially friable, stucco, containing chrysotile asbestos in the base coat, is present on the exterior walls of the 1959, 1962 and 1966 northwest additions and on the southeast 1962 addition, in good condition.
- Potentially friable, stucco panels, containing chrysotile asbestos in the top coat, are present on the underside of the southeast entrance canopy of the 1962 addition; under the music room 214 and on the ceiling in the 2nd floor kitchen and cafeteria 220, in good condition.

- Potentially friable, smooth and rough plaster, containing amphibole asbestos in the base coat, is present on walls and ceilings throughout the basement and first floor of the 1947 original building and throughout the entire second floor, in good condition.
- Non-friable, drywall joint compound, containing chrysotile asbestos, is present as a wall and ceiling finish throughout the 1st floor of the 1947 original building, excluding the main front entrance and office suites 100 and 131, in good condition.
- Non-friable, asbestos-containing Transite panels are present in two fume hoods in Room 201, in good condition.
- Four varieties of non-friable 9" and 12" vinyl floor tiles, containing chrysotile asbestos, are present in various locations throughout the building, in good condition with the exception of 4 loose tiles in Room 114A.
- Non-friable mastic, containing chrysotile asbestos, is present under asbestos-containing 9" vinyl floor tiles throughout the building, in good condition.
- Non-friable, grey, soft caulking, containing chrysotile asbestos is present around exterior windows and doors of the 1947 original building and 1962 addition, in good condition.
- Non-friable, black, soft caulking, containing chrysotile asbestos is present at exterior expansion joints on the 1947 original building, in good condition.
- Non-friable, paper heat shields, containing chrysotile asbestos, is present within two exterior incandescent light fixtures at the entrance to Corridor 163, in good condition.
- Friable asbestos-containing insulation is suspect to be present within the core of the fire rated door in Room 140 and is in good condition.

Lead: Lead is present as follows:

- Black paint, containing elevated concentrations of lead, is present on block walls in Room 117, in good condition.
- Mint paint, containing elevated concentrations of lead, is present on plaster walls in Room 101A, in good conditions with an exception of 10SF of peeling and flaking paint.
- Baby blue paint, containing elevated concentrations of lead, is present on block walls in Room 157 and 155, in good condition.
- White paint, containing elevated concentrations of lead, is present on wood window frames throughout the building.
- Lime green paint, containing elevated concentrations of lead, is present on block walls in Room 152, in good condition.



- Beige paint, containing elevated concentrations of lead, is present on plaster walls in Room 115, in good condition.
- Batteries of emergency lights and fire alarm systems.
- Cast iron pipe joints (bell and spigot).

Silica: Crystalline silica is present in concrete, mortar, brick, masonry, ceramic tiles, grout, plaster and stucco.

Mercury: Mercury vapour is present in fluorescent lamps and liquid mercury is present in thermostats in the basement board offices.

Polychlorinated Biphenyls (PCBs): PCB-containing light ballasts are present above the suspended ceiling in 118B and in the northeast stairwell and the storage room under the stairs to the basement board offices.

Mould and Water Damage: Visible mould growth was not observed; however, water straining was observed on acoustic ceiling tiles throughout the building.

SUMMARY OF RECOMMENDATIONS

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

1. Remove and dispose of asbestos-containing materials if disturbed by the planned renovation work.
2. Remove and properly dispose of PCB ballasts and mercury-containing items if disturbed by the planned renovation work.
3. Follow appropriate safe work procedures when handling or disturbing lead and silica.
4. Remediate the materials as described in Section 4.2.

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



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1.0 INTRODUCTION AND SCOPE

Hastings and Prince Edward District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct a hazardous building materials assessment at 4 Monck Street, Bancroft, Ontario.

Sarah Young, Operations Manager, and Michael Fobear, Project Technologist, performed the assessment on January 27, 2018. The assessment was completed after hours and was occupied by custodial staff at the time of the assessment. The surveyors were unaccompanied during the assessment.

The objective of the assessment was to identify specified hazardous building materials in preparation for building renovation. This assessment is intended to be used for pre-construction purposes, but also provides sufficient detail for long term management of hazardous materials as required by Health and Safety regulations. The results of this assessment are intended for use with a properly developed scope of work and performance specification.

1.1 Scope of Assessment

The assessment was performed to establish the location and type of specified hazardous building materials incorporated in the structure(s) and its finishes. The assessed area consisted of all parts of the building, excluding the roof.

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 BACKGROUND INFORMATION

2.1 Building Description

Building Description Item	Details
Building Use	Secondary School
Number of Floors/Levels	Two stories plus two partial basement levels
Total Area of Building	Approximately 130,000 square feet
Year of Construction	1947 with additions in 1959, 1962, 1966 and 1986
Structure	Structural steel, concrete and wood
Exterior Cladding	Stucco, brick, acrylic panels, pre-cast concrete and metal siding
HVAC	Rooftop AC, Boiler and hot water heating to radiators
Roof	Built-up roofing (outside of scope)
Flooring	Vinyl tile, vinyl sheet flooring, wood, carpet, ceramic tiles, terrazzo and exposed concrete
Interior Walls	Drywall, concrete block, plaster, texture finish and wicker wall panels
Ceilings	Drywall, plaster, acoustic ceiling tiles and texture finish

2.2 Existing Reports

Pinchin was provided, and instructed to rely upon, the following existing report:

- *“Asbestos Assessment, North Hastings Secondary School. 14 Monck Street, Bancroft, Ontario”* prepared by Pinchin Ltd. dated August 31, 2017 Pinchin File: 200584.018.

2.3 Inaccessible Locations

The following rooms or areas of the building were not accessible to the surveyor and are therefore not included in the report:

Area or Room	Reason
Elevator	Locked, unauthorized access
Elevator Room 200	Locked, Unauthorized access

3.0 FINDINGS

The following section summarizes the findings of the assessment and provides a general description of the hazardous materials identified and their locations.

Refer to drawing in Appendix I for a visual representation of the extent of asbestos-containing materials and the Asbestos Summary Table in Appendix IV-A for details regarding location, condition and quantity of asbestos-containing materials. Refer to the Lead, Silica, Mercury, PCBs and Mould Summary Table in Appendix IV-B for a summary of the remaining hazardous materials.

3.1 Asbestos

3.1.1 *Spray-Applied Fireproofing and Thermal Insulation*

Sprayed (fibrous) fireproofing, present in the gymnasium 158 and 2nd floor balcony (Samples 0037A-E) and in the basement Rooms 011B, 012 and 016 (Samples 0049A-C) does not contain asbestos.

3.1.2 *Texture Finishes (Acoustic/Decorative)*

Texture finish, containing chrysotile asbestos, is present on the plaster ceiling in Rooms 118B, 118C and 118D (Samples 0045A-E). Texture finish is a friable materials and in good condition.

Texture finish, present on the upper two feet of walls and isolated ceilings in the 1962 and 1966 northwest additions and on the upper two feet of the walls in the 2nd Floor Balcony, does not contain asbestos (Samples 0020A-E).



Asbestos-containing texture finish on the ceilings in Room 118B.

3.1.3 *Thermal Systems Insulation (TSI)*

3.1.3.1 *Pipe Insulation*

Parging cement, containing chrysotile asbestos, is present on pipe fittings (elbows, valves, tees, hangers etc.) on various pipe systems throughout the building (Samples 0019A-C). Parging cement is a friable insulation, unjacketed or jacketed with canvas and is in good condition.

A white corrugated paper insulation (trade name Aircell), containing chrysotile asbestos, is present on straight sections of the hot water heating pipe system in isolated locations throughout the building (Samples 0021A-C). Aircell is a friable insulation, unjacketed or jacketed with canvas and is in good condition.

Sweatwrap insulation (brown layered paper), containing chrysotile asbestos, is present on straight sections of domestic cold water pipes, sanitary drains and rain water leaders (Samples 0018A-C). Sweatwrap is a friable insulation, unjacketed or jacketed with canvas or foil and is in good condition with the exception of 5 square feet of sweatwrap debris laying on top of the plaster ceiling at the north end of Corridor 162. The debris is not accessible and is only visible from above the suspended ceiling tiles in the adjacent corridor.

Remaining pipes are either uninsulated or insulated with non-asbestos fiberglass.

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

As part of the washroom upgrade project, intrusive inspections were attempted at pipe chases neighboring washrooms. Due to limited access and mortar obstructions full visibility was available; however, insulation within the washroom pipe chases appeared to be non-asbestos fiberglass insulation except in the pipe chases and above solid ceilings in Washroom 141 and the girl's and boy's change rooms, washrooms, and showers associated with Gym 158, where asbestos-containing pipe insulations are expected.



Asbestos-containing parging cement insulation present on pipe fitting, in good condition



Asbestos-containing sweatwrap pipe insulation, in good condition.

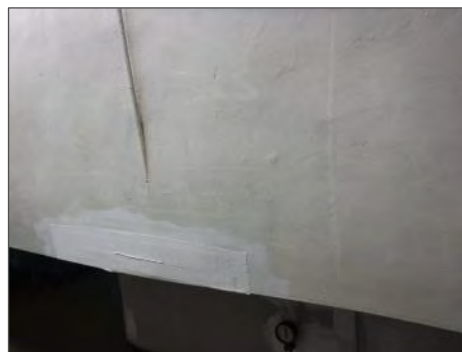


Asbestos-containing Aircell pipe present throughout the building

3.1.3.2 Duct Insulation

Parging cement, containing chrysotile asbestos, is present over the entire surface of the fibreglass insulation on ducts in the 2nd floor fan room 164 (Samples 0038A-C). Parging cement is a friable insulation, jacketed with canvas and approximately 750 square feet is present and in good condition.

Remaining ducts are either uninsulated or insulated with non-asbestos fibreglass and jacketed with either canvas or foil.



Asbestos-containing parging cement present under canvas jacketing on ducts in room 164.

3.1.3.3 Mechanical Equipment Insulation

Mechanical equipment is either uninsulated or insulated with non-asbestos fibreglass.

3.1.4 Vermiculite

Destructive testing was conducted of masonry block walls. The walls and solid ceilings were penetrated in 20 locations, loose fill vermiculite was not observed within the cavities. The locations of destructive testing have been indicated on the drawings in Appendix I.

3.1.5 Acoustic Ceiling Tiles

Acoustic ceiling tiles are present in the assessed area, as follows:



Size, Type, Pattern	Locations	Sample Number or Date Code	Asbestos Type
2'x4', lay-in, widthwise fissures and few defined pinholes (AT1)	Rooms 102, 114A, 118, 119, 119C, 119D, 120, 121, 121A, 121B, 122, 123, 124, 126, 127, Office Suite 131, 144, 145, 149, 151, 151A, 153A, 162, 165, 166, 166A, 166B, 166C, 201, 201A, 202, 20, 204, 206, 207, 212, 213, 214 and 220	11/06/09 and 05/03/09	None
2'x4', lay-in, widthwise fissures and many random pinholes (AT2)	Rooms 102, 114, 118, 118A, 118B, 118C, 118D, 119, 119C, 119D, 120, 121, 121A, 121B, 122, 128, 129, 135, 135B, 144, 149, 151, 151A, 165 and 202	02/26/91	None
2'x4', lay-in, widthwise fissures and few large pinholes (AT3)	Rooms 116, 116A and 153A	03/19/96	None
2'x4', lay-in, small widthwise fissures and few defined pinholes (AT4)	Rooms 116, 135, 135B and 144	0025A-C	None detected
2'x4', lay-in, 'S' shaped widthwise fissures and pinholes (AT5)	Room 144	0026A-C	None detected
2'x4', lay-in, pinholes with textured surface (AT6)	Rooms 118, 133, 134, 135, 135B, 153 and 159	03/30/07 and 01/20/05	None
2'x4', lay-in, small wavy fissures and pinholes (AT7)	Rooms 103, 104, 106 and 107	07/10/08	None
1'x1', glued-on, smooth surface (AT8)	Rooms 101, 103, 104, 105, 106, 107, 128, 129 and 164	0030A-C (Tile) 0033A-C (Glue)	None detected None detected
2'x4', lay-in, clustered small and medium pinholes (AT9)	Room 105	0055A-C	None detected
2'x4', lay-in, smooth surface, gypsum composition (AT10)	Room 101	Visually assessed	None



Size, Type, Pattern	Locations	Sample Number or Date Code	Asbestos Type
2'x4', lay-in, small fissures and large pinholes (AT11)	Room 101, 130 and 130A	0035A-C	None detected
2'x4', lay-in, fleck and pinhole (AT12)	Office Suite 131, Rooms 127, 166, 166A, 166B and 166C	06/29/99	None
2'x4', lay-in, few random fissures and pinholes (AT13)	Rooms 166, 166A, 166B and 166C	10/19/94	None
2'x4', lay-in, lengthwise fissures and pinholes (AT14)	Room 214	0015A-C	None detected

Ceiling tiles presumed to be non-asbestos are based on the date of manufacture determined from the date stamp applied to the top of the tiles or based on the composition of the tile (i.e. non-asbestos gypsum). The tiles were manufactured after asbestos stopped being used in acoustic ceiling tiles.

3.1.6 Stucco

Stucco, containing chrysotile asbestos in the base coat, is present on the exterior walls of the 1962 and 1966 northwest additions and on the southeast 1962 addition (Samples 0002A-G). Asbestos was not detected in the top coat.

Stucco panels, containing chrysotile asbestos in the top coat, are present on the underside of the southeast entrance canopy of the 1962 addition; under the music room 214 and on the ceiling in the 2nd floor kitchen and cafeteria 220 (Samples 0012A-C). Asbestos was not detected in the base coat.

Stucco is non-friable material which may become friable during removal. All stucco is painted and is in good condition.

Grey stucco present between windows and on the underside of the soffits of the 1947 original building does not contain asbestos (Samples 0011A-C).



Asbestos-containing stucco present on the exterior walls of the 1959, 1962 and 1966 additions.



Asbestos-containing stucco panels present on the underside of the southeast entrance of the 1962 addition (under the music room 214).

3.1.7 Plaster

Plaster is present on walls and ceilings throughout the building. Samples were delineated by construction phase and floor.

Smooth plaster, containing amphibole asbestos in the base coat, is present on walls and ceilings throughout the 1st floor of the 1947 original building and isolated locations on the second floor (Samples 0029A-G). Asbestos was not detected in the top coat.

Rough plaster (single layer only), containing amphibole asbestos, is present on the ceilings throughout the basement under the 1947 original building (Samples 00048A-C).

Smooth plaster, containing amphibole asbestos in the base coat, is present on walls and ceilings throughout the 2nd floor (Samples 0050A-G). Asbestos was not detected in the top coat.

Rough plaster, containing amphibole asbestos in the base coat, is present on the lower half of the walls throughout the 1st floor of the 1947 original building and isolated locations on the 2nd floor (Samples 0031A-G). Asbestos was not detected in the top coat.

Plaster is non-friable material which may become friable during removal. All plaster is painted and is in good condition. Damage previously reported has been repaired.

Plaster wall and ceiling finishes present throughout the 1959, 1962 and 1966 ground floor additions do not contain asbestos (Samples 0016A-G, 0023A-E and 0027A-C).

Plaster finishes were not present in the 1986 addition.



Repaired, asbestos-containing plaster on the walls of Room 158A.

3.1.8 *Drywall Joint Compound*

Drywall is present on walls and ceilings throughout the building. Drywall joint compound samples were delineated by construction phase and floor.

Drywall (gypsum board) and drywall joint compound, containing chrysotile asbestos is present as a wall and ceiling finish throughout the 1st floor of the 1947 original building (Samples 0034A-E); excluding the main front entrance and office suites 100 and 131, which were reportedly renovated and found not to contain asbestos based on a separate sample set (Samples 0036A-C). Drywall joint compound is a non-friable material and in good condition.

Drywall joint compound throughout the remainder of the building does not contain asbestos (Samples 0022A-E, 0036A-C, 0046A-C, 0047A-C, 0051A-C and 0054A-C).

3.1.9 *Asbestos Cement Products (Transite)*

Transite board is present in 2 fume hoods in Room 201 and is presumed to contain asbestos based on visual observation. Transite is a non-friable material and approximately 80 SF is present and in good condition.



Transite panels present in the fumehood in Room 201, in good condition.

3.1.10 Vinyl Sheet Flooring

Vinyl sheet flooring is present as follows:

Pattern, Colour and Photo Number	Paper Backing (Yes/No)	Locations (Quantity)	Sample Number	Asbestos Type
White with blue, purple and grey flecks (VSF1)	Yes	Room 167A	0039A-C	None detected
White with beige squares (VSF2)	Yes	Room 118D	0044A-C	None detected
Beige Marble Marmoleum (VSF3)	No	Basement Entrance of Board Offices and Room 226	Visually Assessed	None

Vinyl sheet flooring presumed to be non-asbestos based on historical knowledge of the type of flooring and based on the lack of a paper backing layer (underpad).

3.1.11 Vinyl Floor Tile and Mastic

Vinyl floor tiles are present as follows:

Size, Pattern, Colour	Locations	Sample Number	Asbestos Type (tile)	Asbestos Type (mastic)
9", light grey with white streaks (VT1)	Rooms 102, 120, 121, 138, 167, 212, 214, 217 and 218	0017A-C	Chrysotile	Chrysotile
12", brown with lighter and darker fleck (VT2)	Rooms 100, 114, 116, 116A, 118B, 122, 202, 208 and 210	0052A-C	None detected	None detected
9", dark grey with white streaks (VT3)	Rooms 114A, 115 and Stairwell Landing at 218	0024A-C	Chrysotile	Chrysotile
12", beige with lighter and darker fleck (VT4)	Basement Men's and Women's Washrooms in Board Offices, Rooms 006, 106, 108, 125, 128, 129, 130, 153A and 165	0053A-C	None detected	None detected
12", beige with burgundy streaks (VT5)	Rooms 101, 103, 104, 105 and 107	0028A-C	Chrysotile	None detected
12', tan with burgundy streaks (VT6)	Rooms 101 and 105	0032A-C	None detected	None detected

Size, Pattern, Colour	Locations	Sample Number	Asbestos Type (tile)	Asbestos Type (mastic)
12", grey and blue with lighter and darker flecks (VT7)	Rooms 001, 004,005, 118, 160, 160A, 160B, 160C, 160D, 166, 166A, 166B, 166C, 201, 201A, 213, 214 and 220	0040A-C	None detected	None detected
9", brown with white streaks and white with brown streaks, checkered pattern (VT8)	Room 130A	0041A-C	Chrysotile	Chrysotile
12", white with grey and black flecks (VT9)	Rooms 119C, 119D, 124, 126, 127, 129, 203, 204, 205, 206, 207 and 209	0043A-C	None detected	None detected

The vinyl floor tiles and mastic are non-friable and are in good condition with the exception of four loose floor tiles (VT3) in Room 114A.



Asbestos-containing 9" light grey vinyl floor tiles with white streaks (VT1)



Loose and delaminating asbestos-containing 9" dark grey vinyl floor tiles with white streaks (VT3) in room 114A.

Caulking/sealants are present as follows:

Colour, Description	Locations (Quantity of ACM)	Sample Number	Asbestos Type
Brown, soft	Exterior door caulking throughout building	0001A-C	None detected
White, hard	Exterior caulking between joints of stucco finishes on 1959, 1962 and 1966 additions	0003A-C	None detected

Colour, Description	Locations (Quantity of ACM)	Sample Number	Asbestos Type
White/grey, soft	Exterior window and door caulking of 1962 and 1986 additions	0004A-C	None detected
Brown, soft	Exterior window caulking of 1986 Addition	0005A-C	None detected
Beige, soft	Exterior caulking between joints of acrylic panels on 1962 Addition	0006A-C	None detected
Grey, soft	Exterior caulking between joints of acrylic panels on 1986 Addition	0007A-C	None detected
Grey, soft	Exterior window and door caulking of 1986 Addition (13 windows and 3 doors)	0008A-C	Chrysotile
Black, soft	Five exterior expansion joint caulking of 1947 original building; East Elevation (~150 linear feet)	0009A-C	Chrysotile
White, soft	Exterior window caulking of 1947 original building	0010A-C	None detected
Grey, soft	Exterior window caulking of 1947 original building and 1962 addition (~50 windows)	0013A-C	Chrysotile
Grey, soft	Exterior Glass window cubes of 1947 original building	0014A-C	None detected

Caulking and sealants are non-friable materials and are in good condition.



Asbestos-containing grey, soft exterior window caulking on the 1986 addition.



Asbestos-containing black, soft exterior expansion joint caulking on the 1947 original building.

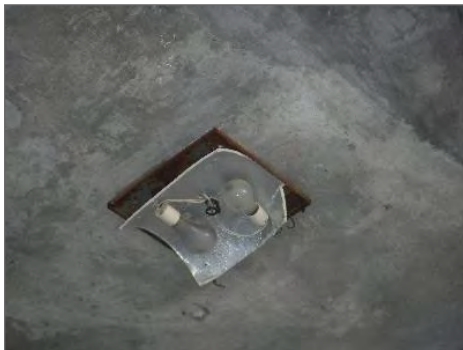


Asbestos-containing grey, soft exterior window caulking on the 1947 original building and 1962 addition.

3.1.12 Other Building Materials

Paper heat shields, containing chrysotile asbestos, are present within two exterior incandescent light fixtures at the entrance to Corridor 163 (Samples 0042A-C). Paper heat shields are non-friable and are in good condition.

Insulation in the core of one fire rated door in Room 140 is suspected to contain asbestos. The insulation is typically friable and is in good condition.



Asbestos-containing paper heat shield present within two exterior incandescent light fixtures at the entrance to Corridor 163.



Suspected asbestos-containing insulation within the core of the fire rated door for room 140.

3.1.13 Presumed Asbestos Materials

A number of materials which might contain asbestos were not sampled during this assessment due to limitations in scope and methodology. Where present, these materials are presumed to contain asbestos until otherwise proven by sampling and analysis.

Materials presumed to contain asbestos include:

- Roofing, felts and tar.
- Roof caulking.

- Concrete floor levelling compound.
- Elevator and lift brakes.
- Electrical components or wiring within control centers, breakers, motors or lights, insulation on wiring.
- Moulded plastic components (laboratory bench tops).
- Refractory materials and insulations in boilers, incinerators and stacks.

3.2 Lead

3.2.1 Paints and Surface Coatings

The following table summarizes the analytical results for paints sampled and locations:

Sample Number	Colour, Substrate Description	Locations	Lead (ug/g)
P1	White paint on plaster	Room 136	502
P2	Grey paint on concrete floor	Room 139	503
P3	Grey on steel door frame	Room 139	437
P3	Red paint on wood door	Room 141	280
P4	White paint on block wall	Room 110	436
P6	Black paint on block wall	Room 117	2,270
P7	Beige paint on block wall	Room 116	<20
P8	Grey paint on wood door frame	Room 106	384
P9	Mint paint on plaster wall	Room 101A	3,520
P10	Pink paint on plaster wall	Room 118B	58
P11	Tan speckled paint on drywall wall	Room 133	21
P12	Off-white paint on plaster wall	Room 153A	<20
P13	Baby blue paint on block wall	Room 157	1,250
P14	Off-white paint on block wall	Room 160	<20
P15	White paint on wood window frames	Throughout building	2,720

Sample Number	Colour, Substrate Description	Locations	Lead (ug/g)
P16	Yellow paint on plaster wall	Room 165	346
P17	Lime green paint on block wall	Room 152	1,030
P18	Off-white paint on block wall	Room 162	458
P19	Beige paint on block wall	Room 115	1,360
P20	Grey paint on block wall	Room 204	<20
P21	Grey paint on plaster wall	Room 202	125
P22	Brown paint on wood door	Room 013	307
P23	Red paint on wooden door frame	Room 208	<20
P24	Grey paint on plaster wall	Room 209	262
P25	White paint on brick wall	Room 222	45
P26	Purple paint on plaster wall	Room 214	<20
P27	Yellow paint on drywall wall	Room 220	39
P28	Dark green paint on plaster wall	Room 213	457
P29	White paint on drywall ceiling	Room 011	<20
P30	White paint on exterior stucco	Exterior	<20

Paint was flaking/peeling in the following areas on the following items:

- 10 SF of peeling and flaking mint paint on plaster wall is present in Room 101A.



Peeling and flaking mint paint present in Room 101A.

3.2.2 *Lead Products and Applications*

Lead-containing batteries are present in emergency lighting and fire alarm control panels.

Lead wool or lead caulking is present in bell and spigot fittings on cast iron pipes.



Emergency light containing lead-acid batteries.

3.2.3 *Presumed Lead Materials*

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

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

3.3 **Silica**

Crystalline silica is a presumed component of the following materials:

- Poured or pre-cast concrete.
- Masonry and mortar.
- Ceramic tiles and grout.
- Plaster and stucco.

3.4 **Mercury**

3.4.1 *Lamps*

Mercury vapour is present in fluorescent lamps.

3.4.2 *Mercury-Containing Devices*

Mercury is present as a liquid in three thermostats ampules in the basement board offices.

3.5 Polychlorinated Biphenyls

3.5.1 Caulking

Sample Number	Substrate Description	Locations	PCB (ug/g)
PCB1	Composite caulking sample, 1959, original building	Exterior doors, windows and expansion joints	8.9
PCB2	Composite caulking sample, 1962 addition	Exterior doors, windows and expansion joints	153,000
PCB3	Composite caulking sample, 1963 addition	Exterior doors, windows and expansion joints	37.1
PCB4	Composite caulking sample, 1966 addition	Exterior doors, windows and expansion joints	<4.0
PCB5	Composite caulking sample, 1960 addition	Exterior doors, windows and expansion joints	16.2

Caulking present at exterior window, door frames and expansion joints on the 1962 portion of the building (composite sample PCB2) and contains 153,000 ug/g PCBs. The material is considered a PCB solid based on the threshold (50 ppm; equivalent to 50 ug/g).

Remaining caulking sampled at exterior window and door frames and expansion joints of the building are considered a non-PCB solid based on the threshold (50 ppm; equivalent to 50 ug/g).

3.5.2 Lighting Ballasts

The majority of the building has been comprehensively re-lamped with new energy efficient light ballasts and lamps (based on evidence of T-8 fixtures). Original fluorescent light fixtures are present above the suspended ceiling in 118B and in the northeast stairwell and storage room under the stairs to the basement board offices and may contain PCB ballasts.

3.5.3 Transformers

Transformers were not found during the assessment.

3.6 Mould

Visible mould growth was not found during the assessment, however water staining was present on acoustic ceiling tiles throughout the building.



4.0 RECOMMENDATIONS

4.1 General

1. Investigate any items excluded from the scope of work of this report.
2. Provide this report to the contractor prior to bidding or commencing work.
3. Retain a qualified consultant to specify, inspect and verify the successful removal of hazardous materials.
4. Update the asbestos inventory upon completion of the abatement and removal of asbestos-containing materials.

4.2 Remedial Work

The following remedial work is recommended regardless of the planned construction work due to the condition and location of the material:

Material, Quantity & Condition	Location	Recommended Procedure
9" Vinyl floor tiles, 4 loose tiles	Room 114A	Type 1 asbestos procedures
Sweatwrap pipe insulation, 5 SF debris	North end of corridor 162 above plaster ceiling; no access and not reachable, visible from above suspended ceiling tiles in adjacent corridor.	Restrict access until Type 2 asbestos abatement is performed (when required for renovation/demolition/maintenance).
Peeling and flaking lead-containing mint paint, 10 SF	Room 101A	Type 2a lead procedures

4.3 Building Renovation Work

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

4.3.1 Asbestos

Remove asbestos-containing materials (ACM) prior to renovation, alteration, or maintenance if ACM may be disturbed by the work.

If the identified ACM will not be removed prior to commencement of the work, disturbance of ACM must follow the appropriate asbestos precautions for the classification of work being performed.

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

4.3.1.1 Texture Finish, Plaster and Stucco

If texture, plaster, or stucco finishes are to be removed, remove minor amounts (less than 1 square metre (10.8 square feet)) of asbestos-containing texture, plaster or stucco finishes using Type 2 procedures as outlined within Ontario Regulation 278/05. If larger amounts (greater than 1 square metre) are to be removed, use Type 3 procedures as outlined within Ontario Regulation 278/05.

4.3.1.2 Pipe Insulation

If pipe insulation is to be removed, remove minor amounts (less than 1 square metre (10.8 square feet)) of asbestos-containing pipe insulations using Type 2 procedures as outlined within Ontario Regulation 278/05. If larger amounts of pipe insulation (greater than 1 square metre) are to be removed, use Type 3 procedures as outlined within Ontario Regulation 278/05. Alternately use Glove Bag Procedures as outlined within Ontario Regulation 278/05.

If jacketing over asbestos insulation is to be repaired (e.g. canvas and lagging), use Type 2 procedures as outlined within Ontario Regulation 278/05.

4.3.1.3 Duct Insulation

If duct insulation is to be removed, remove minor amounts (less than 1 square metre (10.8 square feet)) of asbestos-containing pipe insulations using Type 2 procedures as outlined within Ontario Regulation 278/05. If larger amounts of duct insulation (greater than 1 square metre) are to be removed, use Type 3 procedures as outlined within Ontario Regulation 278/05.

If jacketing over asbestos insulation is to be repaired (e.g. canvas and lagging), use Type 2 procedures as outlined within Ontario Regulation 278/05.

4.3.1.4 Drywall and Drywall Joint Compound

If drywall is to be disturbed/removed, remove minor amounts (less than 1 square metre (10.8 square feet)) of drywall with asbestos-containing drywall joint compound using Type 1 procedures as outlined within Ontario Regulation 278/05. Use Type 2 procedures for larger amounts (greater than 1 square metre).

4.3.1.5 Asbestos-Cement (Transite) Materials

If asbestos cement (Transite) materials must be removed as a result of planned demolition, renovation, etc. use Type 1 procedures as outlined within Ontario Regulation 278/05 if the work is done using wet methods and using hand-held non-powered tools.

4.3.1.6 Vinyl Floor Tiles

If vinyl floor tiles must be removed as a result of planned demolition, renovation, etc., use Type 1 procedures as outlined within Ontario Regulation 278/05 if the work is done using wet methods and using hand-held non-powered tools.

4.3.1.7 Mastic (Floor Tiles)

Mastic is considered a non-friable material and removal of mastic requires the use of Type 1 asbestos procedures as outlined within Ontario Regulation 278/05 if the work is done using wet methods and using hand-held non-powered tools. If the mastic is to be removed using hand-held non-powered tools, Pinchin recommends that any adhering asbestos-containing mastic be removed to a thin film (considered a trivial amount or surface staining).

4.3.1.8 Caulking

If caulking must be removed as a result of planned demolition, renovation, etc., use Type 1 procedures as outlined within Ontario Regulation 278/05 if the work is done using wet methods and using hand-held non-powered tools.

4.3.1.9 Paper Heat Shields

If the paper heat shields must be removed as a result of planned demolition, renovation, etc., use Type 1 procedures as outlined within Ontario Regulation 278/05 if the work is done using wet methods and using hand-held non-powered tools.

4.3.1.10 Insulation within Core of Fire Rated Door

If the fire rated door must be removed as a result of planned demolition, renovation, etc., use Type 1 procedures as outlined within Ontario Regulation 278/05 if the door is removed and disposed of fully intact. If the insulation is to be removed from the door, follow Type 3 procedures.

4.3.2 Lead

For paints identified as having elevated levels of lead (i.e., greater than the EACO guideline of 0.1% for lead-containing paints), 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 provincial standards or guidelines. Performing an exposure assessment during work that disturbs lead in paints and coatings may be able to reduce the use of some of these precautions.

Items painted with paints containing elevated levels of lead may be a hazardous waste. Test lead-painted materials for leachable lead prior to disposal.

Well adhered paints containing elevated levels of lead on metal substrates do not require leachable lead analysis as the materials can be recycled with the paint intact.

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

4.3.3 *Silica*

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

4.3.4 *Mercury*

Do not break lamps or separate liquid mercury from components. Recycle and reclaim mercury from fluorescent lamps and thermostats when taken out of service. Liquid mercury is classified as a hazardous waste and must be disposed of in accordance with local regulations.

4.3.5 *PCBs*

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

Remove PCB caulking if affected by the renovation work. PCB caulking is a hazardous waste; package and ship for destruction at a federally permitted facility.

4.3.6 *Mould*

No mould was observed; if mould is uncovered inside wall cavities during hand demolition, use appropriate precautions and protect workers using methods that comply with provincial 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 Ontario (EACO) Lead Guideline for Construction, Renovation, Maintenance or Repair, October 2014.
5. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 347 as amended.
6. Surface Coating Materials Regulations, SOR/2005-109, Hazardous Products Act.
7. Silica on Construction Projects, Ministry of Labour Guidance Document.
8. Alert – Mould in Workplace Buildings, Ontario Ministry of Labour.

200584.030 dsr 14MonckStBancroft ON HPEDSB.docx

Template: Master Report for Hazardous Materials Assessment Report (Pre-Construction), Haz, December 12, 2017

APPENDIX I
Drawings



LEGEND:

⊙ ASBESTOS BULK SAMPLE

▲ LEAD BULK SAMPLE

▣ PCB BULK SAMPLE

⊗ INTRUSIVE LOCATION

NAR NO ACCESS TO ROOM/AREA

■ ASBESTOS-CONTAINING CEILING TEXTURE/STUCCO FINISH

▨ ASBESTOS-CONTAINING PIPE INSULATION

QUANTITY OF ASBESTOS-CONTAINING PARGING CEMENT INSULATED FITTINGS

▨ ASBESTOS-CONTAINING DUCT INSULATION

— AREA OF BUILDING WITH ASBESTOS-CONTAINING PLASTER WALLS AND CEILINGS (SMOOTH AND ROUGH)

— AREA OF BUILDING WITH ASBESTOS-CONTAINING STUCCO WALLS

— AREA OF BUILDING WITH ASBESTOS-CONTAINING DRYWALL JOINT COMPOUND ON WALLS AND CEILINGS

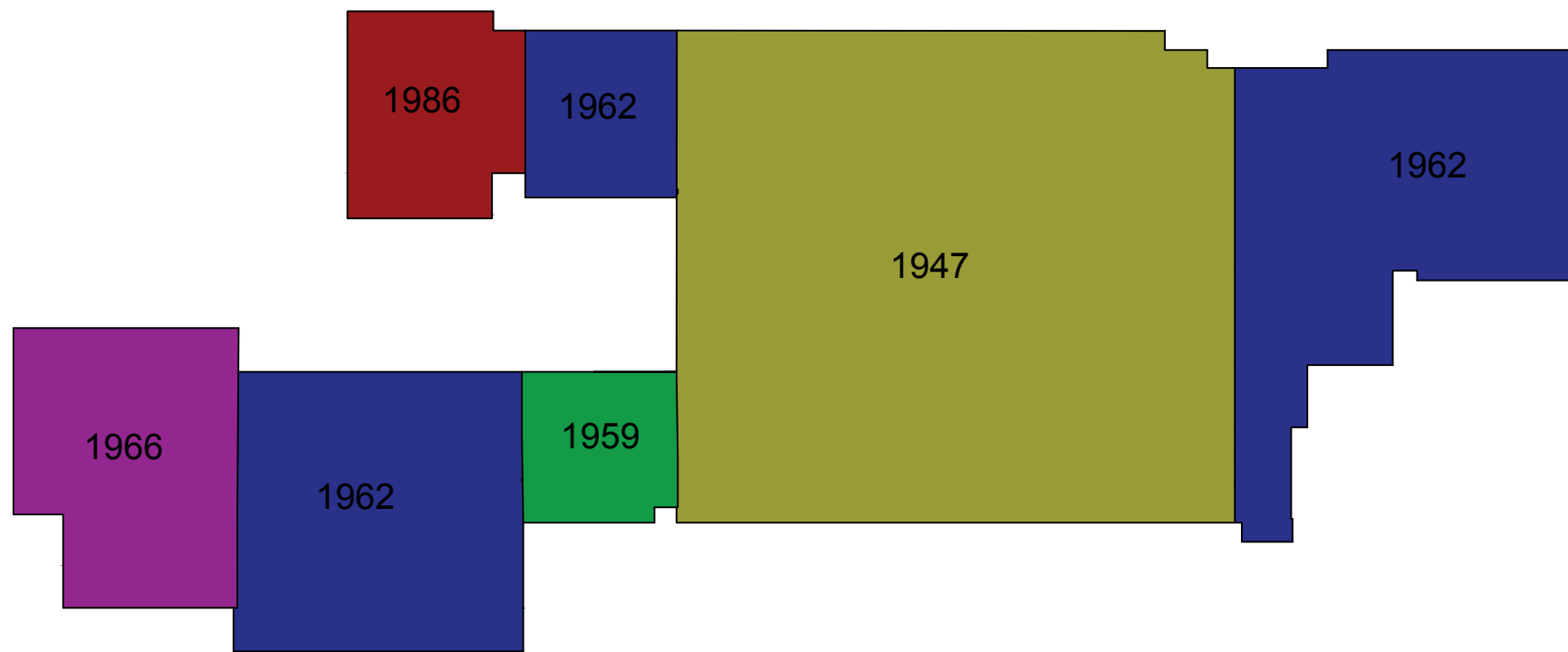
■ ASBESTOS-CONTAINING VINYL FLOOR TILES

■ ASBESTOS-CONTAINING VINYL FLOOR TILES & MASTIC

— ASBESTOS-CONTAINING BLACK EXPANSION JOINT CAULKING

— ASBESTOS-CONTAINING WINDOW AND DOOR CAULKING

▨ SUSPECTED ASBESTOS-CONTAINING PIPE INSULATION WITHIN PIPE CHASE/ABOVE SOLID CEILING



NOTE:

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

CLIENT:
HASTINGS AND PRINCE EDWARD DISTRICT SCHOOL BOARD

LOCATION:
NORTH HASTINGS SECONDARY SCHOOL
14 MONCK STREET
BANCROFT, ONTARIO

TITLE:
HAZARDOUS BUILDING MATERIALS ASSESSMENT LEGEND

DATE: 3/1/2018 PROJECT #: 200584.030

DRAWN BY: MF DRAWING:

CHECKED BY: SY 1 OF 5

SCALE: NTS



NOTE:

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

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CLIENT:
HASTINGS AND PRINCE EDWARD DISTRICT SCHOOL BOARD

LOCATION:
NORTH HASTINGS SECONDARY SCHOOL
14 MONCK STREET
BANCROFT, ONTARIO

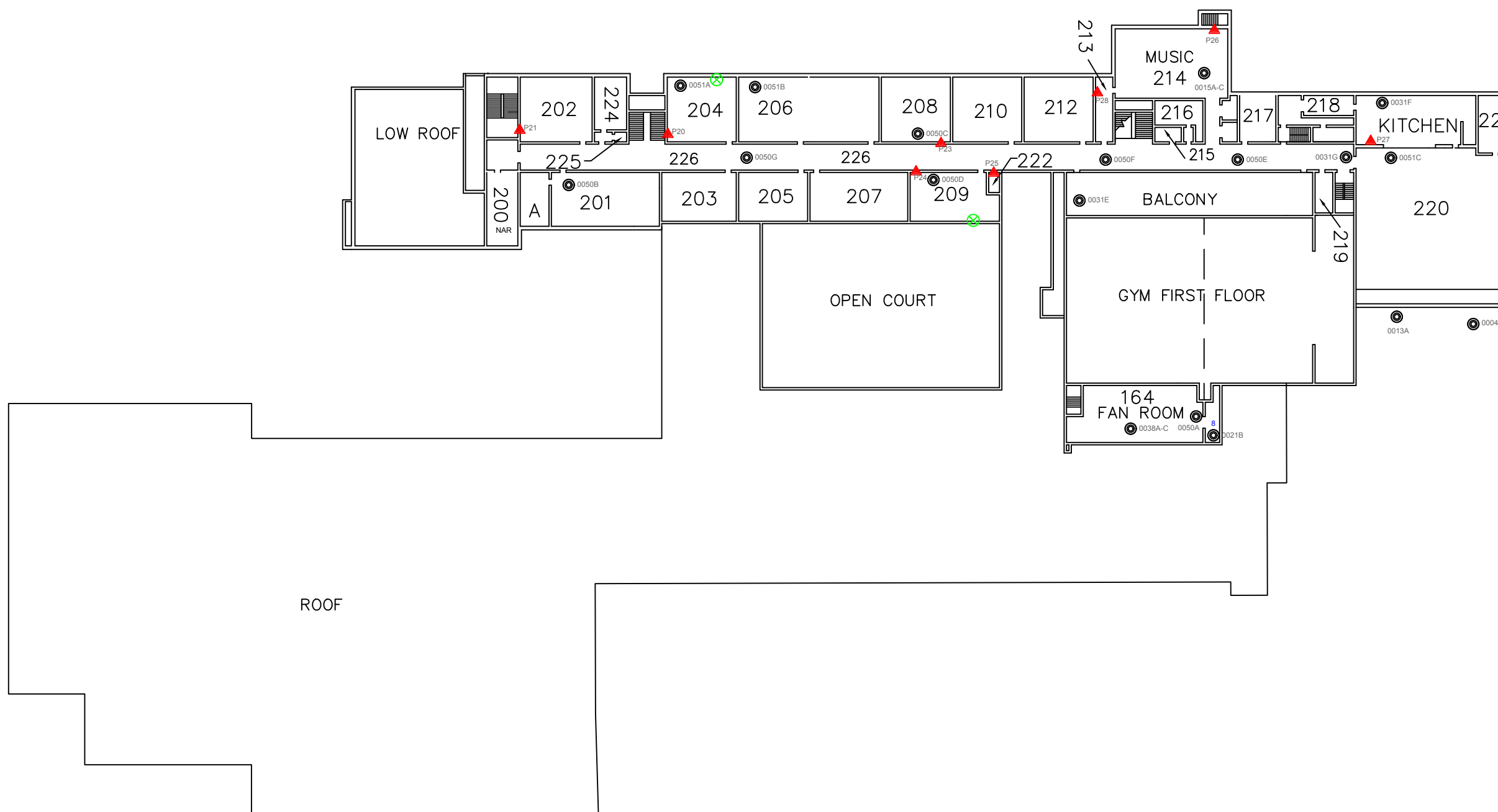
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HAZARDOUS BUILDING MATERIALS ASSESSMENT
SECOND FLOOR SAMPLE LOCATIONS

DATE: 1/3/2018 **PROJECT # :** 200584.030

DRAWN BY: MF
CHECKED BY: SY
SCALE: NTS

DRAWING:

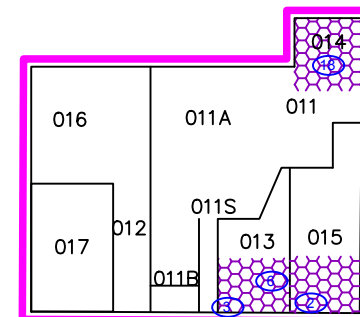
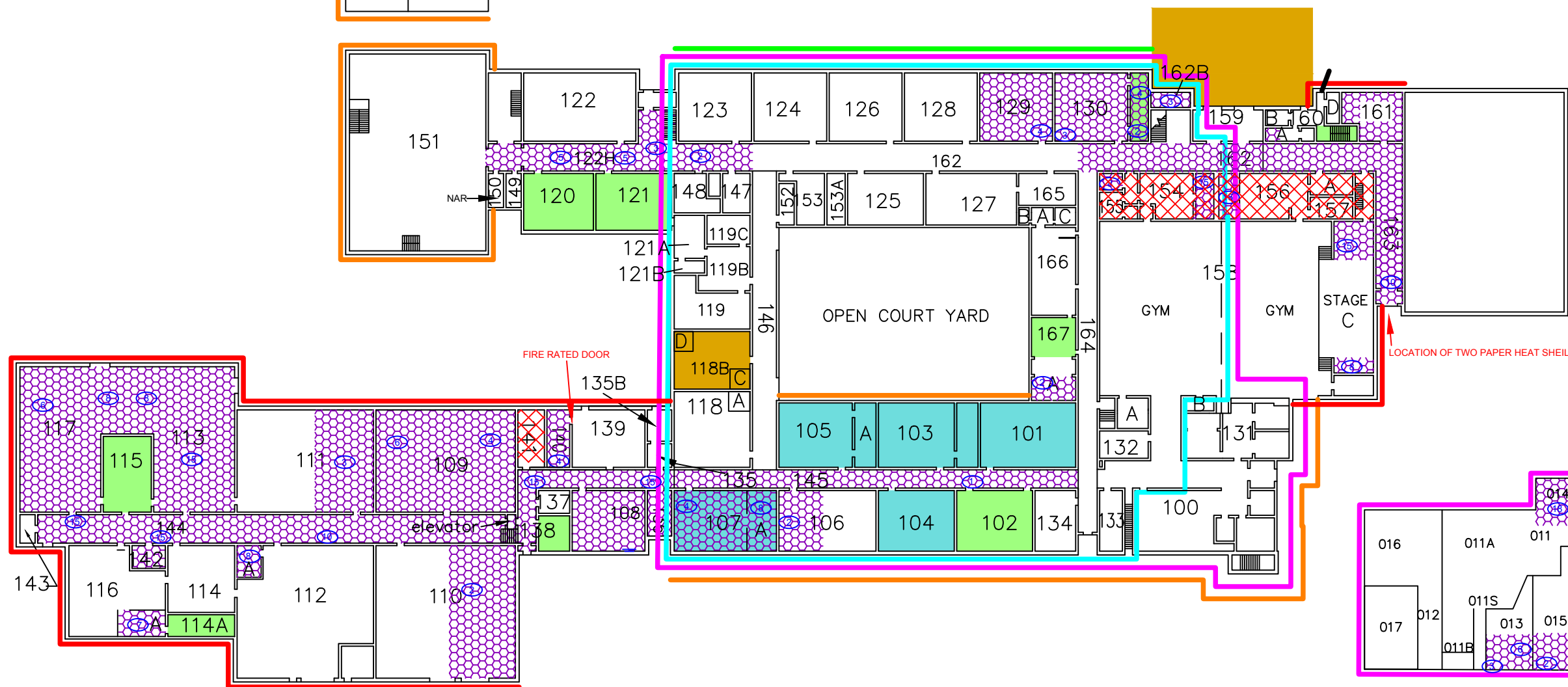
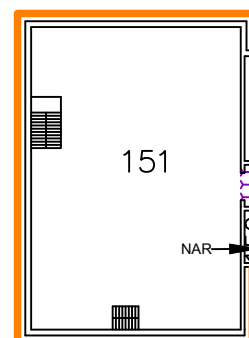
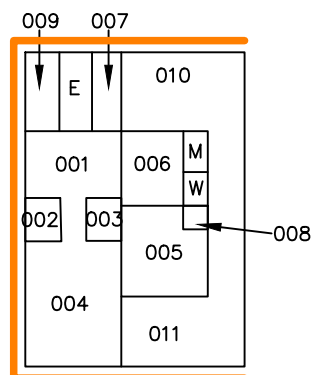
3 OF 5



ROOF



BASEMENT BOARD OFFICES



BASEMENT

NOTE:

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BASE PLAN PROVIDED BY CLIENT

CLIENT:
HASTINGS AND PRINCE EDWARD
DISTRICT SCHOOL BOARD

LOCATION:
NORTH HASTINGS SECONDARY SCHOOL
14 MONCK STREET
BANCROFT, ONTARIO

TITLE:
HAZARDOUS BUILDING
MATERIALS ASSESSMENT
FIRST FLOOR ACM LOCATIONS

DATE:
3/1/2018

PROJECT #:
200584.030

DRAWN BY:
MF

DRAWING:

CHECKED BY:
SY

4 OF 5

SCALE:
NTS



NOTE:

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BANCROFT, ONTARIO

TITLE:
HAZARDOUS BUILDING
MATERIALS ASSESSMENT
FIRST FLOOR ACM LOCATIONS

DATE:
3/1/2018

PROJECT # :
200584.030

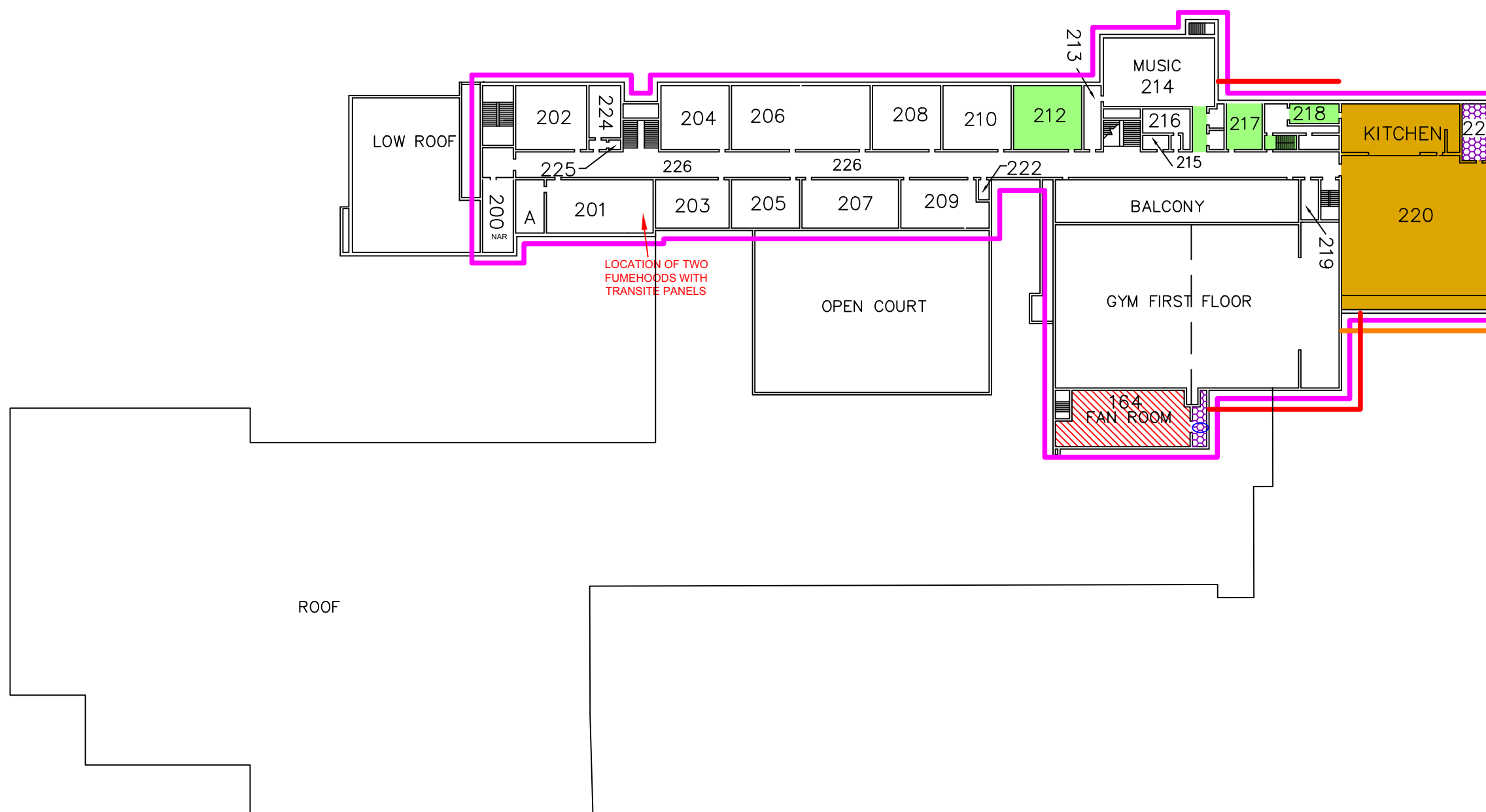
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MF

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SY

SCALE:
NTS

DRAWING:

5 OF 5



APPENDIX II-A
Asbestos Analytical Certificates



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

Attn: Sarah Young

Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0001A	Exterior Brown Soft Door Caulking, West Door, 1959 Addition	None Detected		100% Other	Brown Non Fibrous Homogeneous
1717266PLM_1					Ashed, Dissolved
0001B	Exterior Brown Soft Door Caulking, North Door, 1966 Addition	None Detected		100% Other	Brown Non Fibrous Homogeneous
1717266PLM_2					Ashed, Dissolved
0001C	Exterior Brown Soft Door Caulking, North Door, 1947 Addition	None Detected		100% Other	Brown Non Fibrous Homogeneous
1717266PLM_3					Ashed, Dissolved
0002A - A	Exterior Stucco, West Elevation, 1962 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_4	finish				Dissolved
0002A - B	Exterior Stucco, West Elevation, 1962 Addition	2% Chrysotile		98% Other	Gray Non Fibrous Homogeneous
1717266PLM_197	base				Dissolved
0002B - A	Exterior Stucco, East Elevation, 1962 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_5	finish				Dissolved
0002B - B	Exterior Stucco, East Elevation, 1962 Addition	Not Analyzed			
1717266PLM_198	base				
0002C - A	Exterior Stucco, North Elevation, 1962 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_6	finish				Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Philip Szabo (136)
Byron Stroble (146)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0002C - B	Exterior Stucco, North Elevation, 1962 Addition	Not Analyzed			
1717266PLM_199	base				
0002D - A	Exterior Stucco, North Elevation, 1966 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_7	finish				Dissolved
0002D - B	Exterior Stucco, North Elevation, 1966 Addition	Not Analyzed			
1717266PLM_200	base				
0002E - A	Exterior Stucco, West Elevation, 1966 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_8	finish				Dissolved
0002E - B	Exterior Stucco, West Elevation, 1966 Addition	Not Analyzed			
1717266PLM_201	base				
0002F - A	Exterior Stucco, East Elevation, 1966 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_9	finish				Dissolved
0002F - B	Exterior Stucco, East Elevation, 1966 Addition	Not Analyzed			
1717266PLM_202	base				
0002G - A	Exterior Stucco, East Elevation, 1962 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_10	finish				Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0002G - B	Exterior Stucco, East Elevation, 1962 Addition	Not Analyzed			
1717266PLM_203	base				
0003A	Exterior White Firm Caulking Between Joints of Stucco, West Elevation, 1962 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_11					Ashed, Dissolved
0003B	Exterior White Firm Caulking Between Joints of Stucco, West Elevation, 1962 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_12					Ashed, Dissolved
0003C	Exterior White Firm Caulking Between Joints of Stucco, West Elevation, 1966 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_13					Ashed, Dissolved
0004A	Exterior White/Grey Soft Caulking, Window and Doors, West Elevation, 1962 Addition	None Detected		100% Other	White, Gray Non Fibrous Homogeneous
1717266PLM_14					Ashed, Dissolved
0004B	Exterior White/Grey Soft Caulking, Window and Doors, East Elevation, 1962 Addition	None Detected		100% Other	White, Gray Non Fibrous Homogeneous
1717266PLM_15					Ashed, Dissolved
0004C	Exterior White/Grey Soft Caulking, Window and Doors, East Elevation, 1956 Addition	None Detected		100% Other	White, Gray Non Fibrous Homogeneous
1717266PLM_16					Ashed, Dissolved
0005A	Exterior Soft Brown Window Caulking, West Elevation, 1956 Addition	None Detected		100% Other	Brown Non Fibrous Homogeneous
1717266PLM_17					Ashed, Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0005B	Exterior Soft Brown Window Caulking, East Elevation, 1962 Addition	None Detected		100% Other	Brown Non Fibrous Homogeneous
1717266PLM_18					Ashed, Dissolved
0005C	Exterior Soft Brown Window Caulking, East Elevation, 1962 Addition	None Detected		100% Other	Brown Non Fibrous Homogeneous
1717266PLM_19					Ashed, Dissolved
0006A	Exterior Soft Beige Caulking Between Joints of Acrylic Panels, East Elevation, 1962 A	None Detected		100% Other	Tan Non Fibrous Homogeneous
1717266PLM_20					Ashed, Dissolved
0006B	Exterior Soft Beige Caulking Between Joints of Acrylic Panels, East Elevation, 1962 A	None Detected		100% Other	Tan Non Fibrous Homogeneous
1717266PLM_21					Ashed, Dissolved
0006C	Exterior Soft Beige Caulking Between Joints of Acrylic Panels, East Elevation, 1962 A	None Detected		100% Other	Tan Non Fibrous Homogeneous
1717266PLM_22					Ashed, Dissolved
0007A	Exterior Soft Grey Caulking Between Joints of Acrylic Panels, South Elevation, 1956	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_23					Ashed, Dissolved
0007B	Exterior Soft Grey Caulking Between Joints of Acrylic Panels, North Elevation, 1956	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_24					Ashed, Dissolved
0007C	Exterior Soft Grey Caulking Between Joints of Acrylic Panels, East Elevation, 1956 A	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_25					Ashed, Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

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Bulk Asbestos Analysis

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Kingston, ON K7L 0A5

Attn: Sarah Young

Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0008A	Exterior Soft Grey Window and Door Caulking, South Elevation, 1956 Addition	2% Chrysotile		98% Other	Gray Non Fibrous Homogeneous
1717266PLM_26					Ashed, Dissolved
0008B	Exterior Soft Grey Window and Door Caulking, West Elevation, 1956 Addition	Not Analyzed			
1717266PLM_27					
0008C	Exterior Soft Grey Window and Door Caulking, East Elevation, 1956 Addition	Not Analyzed			
1717266PLM_28					
0009A	Exterior Soft Black Expansion Joint Caulking, East Elevation, 1947 Building	4% Chrysotile		96% Other	Black Non Fibrous Homogeneous
1717266PLM_29					Ashed, Dissolved
0009B	Exterior Soft Black Expansion Joint Caulking, East Elevation, 1947 Building	Not Analyzed			
1717266PLM_30					
0009C	Exterior Soft Black Expansion Joint Caulking, East Elevation, 1947 Building	Not Analyzed			
1717266PLM_31					
0010A	Exterior Soft White Window Caulking, East Elevation, 1947 Building	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_32					Ashed, Dissolved
0010B	Exterior Soft White Window Caulking, East Elevation, 1947 Building	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_33					Ashed, Dissolved

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Philip Szabo (136)
Byron Stroble (146)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0010C	Exterior Soft White Window Caulking, East Elevation, 1947 Building	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_34					Ashed, Dissolved
0011A	Exterior Grey Stucco, East Elevation, 1947 Building	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_35					Dissolved
0011B	Exterior Grey Stucco, East Elevation, 1947 Building	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_36					Dissolved
0011C	Exterior Grey Stucco, West Elevation, 1947 Building	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_37					Dissolved
0012A - A	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition	3% Chrysotile		97% Other	White Non Fibrous Homogeneous
1717266PLM_38	finish				Dissolved
0012A - B	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_204	base				Dissolved
0012B - A	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition	Not Analyzed			
1717266PLM_39	finish				
0012B - B	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_205	base				Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0012C - A	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition	Not Analyzed			
1717266PLM_40	finish				
0012C - B	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_206	base				Dissolved
0013A	Exterior Soft Grey Window Caulking, West Elevation, 1962 Addition	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_41					Ashed, Dissolved
0013B	Exterior Soft Grey Window Caulking, South Elevation, 1962 Addition	4% Chrysotile		96% Other	Gray Non Fibrous Homogeneous
1717266PLM_42					Ashed, Dissolved
0013C	Exterior Soft Grey Window Caulking, West Elevation, 1947 Building	Not Analyzed			
1717266PLM_43					
0014A	Exterior Soft Grey Caulking at Glass Window Cubes, West Elevation, 1947 Building	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_44					Ashed, Dissolved
0014B	Exterior Soft Grey Caulking at Glass Window Cubes, West Elevation, 1947 Building	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_45					Ashed, Dissolved
0014C	Exterior Soft Grey Caulking at Glass Window Cubes, West Elevation, 1947 Building	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_46					Ashed, Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0015A	AT14 - 2'x4' Lay-in Ceiling Tiles with Lenthwise Fissures and Pinholes, Room 214	None Detected	45% Mineral Wool 35% Cellulose	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_47					Ashed, Dissolved
0015B	AT14 - 2'x4' Lay-in Ceiling Tiles with Lenthwise Fissures and Pinholes, Room 215	None Detected	45% Mineral Wool 35% Cellulose	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_48					Ashed, Dissolved
0015C	AT14 - 2'x4' Lay-in Ceiling Tiles with Lenthwise Fissures and Pinholes, Room 216	None Detected	45% Mineral Wool 35% Cellulose	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_49					Ashed, Dissolved
0016A - A	Plaster Ceiling, 1959 Addition, Corridor 145	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_50	finish				Dissolved
0016A - B	Plaster Ceiling, 1959 Addition, Corridor 145	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_207	base				Dissolved
0016B - A	Plaster Wall, 1959 Addition, Room 138	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_51	finish				Dissolved
0016B - B	Plaster Wall, 1959 Addition, Room 138	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_208	base				Dissolved
0016C - A	Plaster Ceiling, 1959 Addition, Room 137	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_52	finish				Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0016C - B	Plaster Ceiling, 1959 Addition, Room 137	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_209	base				Dissolved
0016D - A	Plaster Wall, 1959 Addition, Room 108	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_53	finish				Dissolved
0016D - B	Plaster Wall, 1959 Addition, Room 108	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_210	base - small sample				Dissolved
0016E - A	Plaster Wall, 1959 Addition, Corridor 145	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_54	finish				Dissolved
0016E - B	Plaster Wall, 1959 Addition, Corridor 145	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_211	base				Dissolved
0016F - A	Plaster Wall, 1959 Addition, Room 140	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_55	finish				Dissolved
0016F - B	Plaster Wall, 1959 Addition, Room 140	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_212	bas				Dissolved
0016G - A	Plaster Wall, 1959 Addition, Room 136	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_56	finish				Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0016G - B	Plaster Wall, 1959 Addition, Room 136	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_213	base				Dissolved
0017A - A	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 138	8% Chrysotile		92% Other	Gray Non Fibrous Homogeneous
1717266PLM_57	tile				Dissolved
0017A - B	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 138	2% Chrysotile		98% Other	Black Non Fibrous Homogeneous
1717266PLM_214	mastic				Dissolved
0017B - A	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 102	Not Analyzed			
1717266PLM_58	tile				
0017B - B	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 102	Not Analyzed			
1717266PLM_215	mastic				
0017C - A	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 157A	Not Analyzed			
1717266PLM_59	tile				
0017C - B	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 157A	Not Analyzed			
1717266PLM_216	mastic				
0018A - A	Sweatwrap Pipe Insulation, Corridor 145	None Detected	90% Cellulose	10% Other	Tan Fibrous Homogeneous
1717266PLM_60	paper				Ashed, Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0018A - B	Sweatwrap Pipe Insultion, Corridor 145	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
1717266PLM_217	felt				Ashed, Dissolved
0018B - A	Sweatwrap Pipe Insultion, Corridor 145	15% Chrysotile	75% Cellulose	10% Other	Tan Fibrous Homogeneous
1717266PLM_61	paper				Ashed, Dissolved
0018B - B	Sweatwrap Pipe Insultion, Corridor 145	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
1717266PLM_218	felt				Ashed, Dissolved
0018C - A	Sweatwrap Pipe Insultion, Vestibule 163	Not Analyzed			
1717266PLM_62	paper				
0018C - B	Sweatwrap Pipe Insultion, Vestibule 163	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
1717266PLM_219	felt				Ashed, Dissolved
0019A	Parging Cement Pipe Insulation, Room 109	75% Chrysotile		25% Other	Gray Fibrous Homogeneous
1717266PLM_63	wrap inseparable				Teased, Dissolved
0019B	Parging Cement Pipe Insulation, Room 140	Not Analyzed			
1717266PLM_64					
0019C	Parging Cement Pipe Insulation, Corridor 145	Not Analyzed			
1717266PLM_65					

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0020A - A	Textured Wall Finish, Room 109	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_66	finish				Dissolved
0020A - B	Textured Wall Finish, Room 109	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_220	base				Dissolved
0020B	Textured Wall Finish, Room 115	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_67	single layer only				Dissolved
0020C	Textured Wall Finish, Room 115	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_68	single layer only				Dissolved
0020D	Textured Wall Finish, Room 142	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_69	single layer only				Dissolved
0020E	Textured Wall Finish, Room 143	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_70	single layer only				Dissolved
0021A	Aircell Pipe Insulation, Corridor 144	70% Chrysotile		30% Other	White Fibrous Homogeneous
1717266PLM_71					Teased, Dissolved
0021B	Aircell Pipe Insulation, 2nd Floor Fan Room	Not Analyzed			
1717266PLM_72					

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0021C	Aircell Pipe Insulation, Vestibule 163	Not Analyzed			
1717266PLM_73					
0022A	Drywall Joint Compound, 1966 Additions, Corridor 144	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_74					Dissolved
0022B	Drywall Joint Compound, 1966 Additions, Room 116	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_75					Dissolved
0022C	Drywall Joint Compound, 1966 Additions, Room 113	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_76					Dissolved
0022D	Drywall Joint Compound, 1966 Additions, Corridor 162	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_77					Dissolved
0020E	Drywall Joint Compound, 1966 Additions, Room 130	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_78					Dissolved
0023A - A	Plaster Wall, 1962 Addition, Corridor 144	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_79	finish				Dissolved
0023A - B	Plaster Wall, 1962 Addition, Corridor 144	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_221	base				Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0023B - A	Plaster Wall, 1962 Addition, Corridor 144	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_80	finish				Dissolved
0023B - B	Plaster Wall, 1962 Addition, Corridor 144	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_222	base				Dissolved
0023C - A	Plaster Wall, 1962 Addition, Corridor 144	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_81	finish				Dissolved
0023C - B	Plaster Wall, 1962 Addition, Corridor 144	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_223	base				Dissolved
0023D - A	Plaster Ceiling, 1962 Addition, Storage Room 160S	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_82	finish				Dissolved
0023D - B	Plaster Ceiling, 1962 Addition, Storage Room 160S	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_224	base				Dissolved
0023E - A	Plaster Ceiling, 1962 Addition, Hallway 122H	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_83	finish				Dissolved
0023E - B	Plaster Ceiling, 1962 Addition, Hallway 122H	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_225	base				Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0024A - A	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 114A	2% Chrysotile		98% Other	Gray Non Fibrous Homogeneous
1717266PLM_84	tile				Dissolved
0024A - B	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 114A	5% Chrysotile		95% Other	Black Non Fibrous Homogeneous
1717266PLM_226	mastic				Dissolved
0024B - A	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 115	Not Analyzed			
1717266PLM_85	tile				
0024B - B	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 115	Not Analyzed			
1717266PLM_227	mastic				
0024C - A	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 160S	Not Analyzed			
1717266PLM_86	tile				
0024C - B	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 160S	Not Analyzed			
1717266PLM_228	mastic				
0025A	AT4 - 2x4 Lay-in Ceiling Tiles with Small Widthwise Fissures and Few Defined Pinholes, Co	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_87					Ashed, Dissolved
0025B	AT4 - 2x4 Lay-in Ceiling Tiles with Small Widthwise Fissures and Few Defined Pinholes, Ro	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_88					Ashed, Dissolved

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Philip Szabo (136)
Byron Stroble (146)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

Attn: Sarah Young

Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0025C	AT4 - 2x4 Lay-in Ceiling Tiles with Small Widthwise Fissures and Few Defined Pinholes, Ro	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_89					Ashed, Dissolved
0026A	AT5 - 2x4 Lay-in Ceiling Tiles with 'S' Shaped Fissures and Pinholes, Corridor 144 at Exit	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_90					Ashed, Dissolved
0026B	AT5 - 2x4 Lay-in Ceiling Tiles with 'S' Shaped Fissures and Pinholes, Corridor 144 at Exit	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_91					Ashed, Dissolved
0026C	AT5 - 2x4 Lay-in Ceiling Tiles with 'S' Shaped Fissures and Pinholes, Corridor 144 at Exit	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_92					Ashed, Dissolved
0027A - A	Plaster Wall, 1966 Addition, Vestibule at Corridor 144	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_93	finish				Dissolved
0027A - B	Plaster Wall, 1966 Addition, Vestibule at Corridor 144	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_229	base				Dissolved
0027B - A	Plaster Ceiling, 1966 Addition, Corridor 162	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_94	finish				Dissolved
0027B - B	Plaster Ceiling, 1966 Addition, Corridor 162	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_230	base				Dissolved

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Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0027C - A	Plaster Wall, 1966 Addition, Vestibule at Corridor 144	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_95	finish				Dissolved
0027C - B	Plaster Wall, 1966 Addition, Vestibule at Corridor 144	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_231	base				Dissolved
0028A - A	VT5 - 12" Beige with Burgandy Streaks, Room 107	2% Chrysotile		98% Other	Beige Non Fibrous Homogeneous
1717266PLM_96	tile				Dissolved
0028A - B	VT5 - 12" Beige with Burgandy Streaks, Room 107	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1717266PLM_232	mastic				Dissolved
0028B - A	VT5 - 12" Beige with Burgandy Streaks, Room 105	Not Analyzed			
1717266PLM_97	tile				
0028B - B	VT5 - 12" Beige with Burgandy Streaks, Room 105	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1717266PLM_233	mixed mastic				Dissolved
0028C - A	VT5 - 12" Beige with Burgandy Streaks, Room 105	Not Analyzed			
1717266PLM_98	tile				
0028C - B	VT5 - 12" Beige with Burgandy Streaks, Room 105	None Detected		100% Other	Black, Yellow Non Fibrous Homogeneous
1717266PLM_234	mixed mastic				Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0029A - A	Smooth Plaster, 1947 Original Building, Corridor 145	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_99	finish				Crushed
0029A - B	Smooth Plaster, 1947 Original Building, Corridor 145	0.8% Libby Amphibole		69.2% Other 30% Vermiculite	Gray Non Fibrous Heterogeneous
1717266PLM_235	base				Crushed
0029B - A	Smooth Plaster, 1947 Original Building, Corridor 145	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_100	finish				Teased
0029B - B	Smooth Plaster, 1947 Original Building, Corridor 145	Not Analyzed			
1717266PLM_236	base				
0029C - A	Smooth Plaster, 1947 Original Building, Corridor 145	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_101	finish				Teased
0029C - B	Smooth Plaster, 1947 Original Building, Corridor 145	Not Analyzed			
1717266PLM_237	base				
0029D - A	Smooth Plaster, 1947 Original Building, Room 132	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_102	finish				Teased
0029D - B	Smooth Plaster, 1947 Original Building, Room 132	Not Analyzed			
1717266PLM_238	base				

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0029E - A	Smooth Plaster, 1947 Original Building, Gym Storage	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_103	finish				Teased
0029E - B	Smooth Plaster, 1947 Original Building, Gym Storage	Not Analyzed			
1717266PLM_239	base				
0029F - A	Smooth Plaster, 1947 Original Building, Corridor 119	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_104	finish				Teased
0029F - B	Smooth Plaster, 1947 Original Building, Corridor 119	Not Analyzed			
1717266PLM_240	base				
0029G - A	Smooth Plaster, 1947 Original Building, Corridor 118B	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_105	finish				Teased
0029G - B	Smooth Plaster, 1947 Original Building, Corridor 118B	Not Analyzed			
1717266PLM_241	base				
0030A	AT8 - 1'x1' Glued-on Ceiling tiles with Smooth Surface, Wood Fibre Composition, Roo	None Detected	90% Cellulose	10% Other	Brown, White Fibrous Heterogeneous
1717266PLM_106					Teased
0030B	AT8 - 1'x1' Glued-on Ceiling tiles with Smooth Surface, Wood Fibre Composition, Roo	None Detected	90% Cellulose	10% Other	Brown, White Fibrous Heterogeneous
1717266PLM_107					Teased

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0030C	AT8 - 1'x1' Glued-on Ceiling tiles with Smooth Surface, Wood Fibre Composition, Roo	None Detected	90% Cellulose	10% Other	Brown, White Fibrous Heterogeneous
1717266PLM_108					Teased
0031A - A	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor 145	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1717266PLM_109	surfacing				Teased
0031A - B	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor 145	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_242	finish				Teased
0031A - C	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor 145	0.8% Libby Amphibole		69.2% Other 30% Vermiculite	Gray Non Fibrous Heterogeneous
1717266PLM_243	base				Crushed
0031B - A	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor 146	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1717266PLM_110	surfacing				Teased
0031B - B	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor 146	Not Analyzed			
1717266PLM_245	base				
0031C - A	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor Gym	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_111	finish				Teased
0031C - B	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor Gym	Not Analyzed			
1717266PLM_247	base				

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0031D - A	Rough Plaster (1/2 Walls), 1947 Original Building, Stairwell at Corridor 162	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_112	finish				Teased
0031D - B	Rough Plaster (1/2 Walls), 1947 Original Building, Stairwell at Corridor 162	Not Analyzed			
1717266PLM_248	base				
0031E - A	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Balcony	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1717266PLM_113	surfacing				Teased
0031E - B	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Balcony	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_249	finish				Teased
0031E - C	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Balcony	Not Analyzed			
1717266PLM_250	base				
0031F - A	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Kitchen	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_114	finish				Teased
0031F - B	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Kitchen	Not Analyzed			
1717266PLM_251	base				
0031G - A	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Corridor	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_283	finish - not on coc				Teased

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0031G - B	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Corridor	Not Analyzed			
1717266PLM_284	base - not on coc				
0032A - A	VT6 - 12" Tan with Burgandy Streaks, Room 105	None Detected		100% Other	Tan Non Fibrous Heterogeneous
1717266PLM_115	floor tile				Dissolved
0032A - B	VT6 - 12" Tan with Burgandy Streaks, Room 105	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_252	mastic				Dissolved
0032B - A	VT6 - 12" Tan with Burgandy Streaks, Room 105	None Detected		100% Other	Tan Non Fibrous Heterogeneous
1717266PLM_116	floor tile				Dissolved
0032B - B	VT6 - 12" Tan with Burgandy Streaks, Room 105	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_253	mastic				Dissolved
0032C - A	VT6 - 12" Tan with Burgandy Streaks, Room 105	None Detected		100% Other	Tan Non Fibrous Heterogeneous
1717266PLM_117	floor tile - ashed				Ashed
0032C - B	VT6 - 12" Tan with Burgandy Streaks, Room 105	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_254	mastic				Dissolved
0033A	Black Mastic, Ceiling Tile Adhesive, Room 101	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_118					Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0033B	Black Mastic, Ceiling Tile Adhesive, Room 101	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_119					Dissolved
0033C	Black Mastic, Ceiling Tile Adhesive, Room 101	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_120					Dissolved
0034A	Drywall Joint Compound, 1947 Original Building, Room 133	3% Chrysotile		97% Other	Beige Non Fibrous Heterogeneous
1717266PLM_121					Teased
0034B	Drywall Joint Compound, 1947 Original Building, Room 156 Shower	Not Analyzed			
1717266PLM_122					
0034C	Drywall Joint Compound, 1947 Original Building, Room 166	Not Analyzed			
1717266PLM_123					
0034D	Drywall Joint Compound, 1947 Original Building, Room 126	Not Analyzed			
1717266PLM_124					
0034E	Drywall Joint Compound, 1947 Original Building, Room 148	Not Analyzed			
1717266PLM_125					
0035A	AT11 - 2x4 Lay-in Ceiling Tiles with Small Fissures and Large Pinholes, Room 101	None Detected	40% Cellulose 40% Fiber Glass 10% Wollastonite	10% Other	Beige Fibrous Heterogeneous
1717266PLM_126					Teased, Ashed

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0035B	AT11 - 2x4 Lay-in Ceiling Tiles with Small Fissures and Large Pinholes, Room 130	None Detected	40% Cellulose 40% Mineral Wool 10% Wollastonite	10% Other	Beige Fibrous Heterogeneous
1717266PLM_127					Teased, Ashed
0035C	AT11 - 2x4 Lay-in Ceiling Tiles with Small Fissures and Large Pinholes, Room 130	None Detected	40% Cellulose 40% Mineral Wool 10% Wollastonite	10% Other	Beige Fibrous Heterogeneous
1717266PLM_128					Teased, Ashed
0036A	Drywall Joint Compound, 1962 Addition, Room 131	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_129					Teased
0036B	Drywall Joint Compound, 1962 Addition, Room 100	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_130					Teased
0036C	Drywall Joint Compound, 1962 Addition, Room 131	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_131					Teased
0037A	Fibrous Sprayed Fireproofing, Gym	None Detected	90% Cellulose	10% Other	White Fibrous Heterogeneous
1717266PLM_132					Teased
0037B	Fibrous Sprayed Fireproofing, Gym	None Detected	90% Cellulose	10% Other	White Fibrous Heterogeneous
1717266PLM_133					Teased
0037C	Fibrous Sprayed Fireproofing, Gym	None Detected	90% Cellulose	10% Other	White Fibrous Heterogeneous
1717266PLM_134					Teased

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0037D	Fibrous Sprayed Fireproofing, Gym	None Detected	90% Cellulose	10% Other	White Fibrous Heterogeneous
1717266PLM_135					Teased
0037E	Fibrous Sprayed Fireproofing, Gym	None Detected	90% Cellulose	10% Other	White Fibrous Heterogeneous
1717266PLM_136					Teased
0038A	Parging Cement Duct Insulation, 2nd Floor Fan Room 164	60% Chrysotile		40% Other	Gray Fibrous Heterogeneous
1717266PLM_137					Teased
0038B	Parging Cement Duct Insulation, 2nd Floor Fan Room 164	Not Analyzed			
1717266PLM_138					
0038C	Parging Cement Duct Insulation, 2nd Floor Fan Room 164	Not Analyzed			
1717266PLM_139					
0039A - A	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room	None Detected	90% Cellulose	10% Other	Gray Fibrous Heterogeneous
1717266PLM_140	vinyl				Teased
0039A - B	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1717266PLM_255	mastic				Dissolved
0039B - A	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room	None Detected	90% Cellulose	10% Other	Gray Fibrous Heterogeneous
1717266PLM_141	vinyl				Teased

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Philip Szabo (136)
Byron Stroble (146)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

Attn: Sarah Young

Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018,14 Monck Street, Bancroft, ON,HPEDSB,North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0039B - B	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1717266PLM_256	mastic				Dissolved
0039C - A	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room	None Detected	90% Cellulose	10% Other	Gray Fibrous Heterogeneous
1717266PLM_142	vinyl				Teased
0039C - B	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1717266PLM_257	mastic				Dissolved
0040A - A	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 106	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1717266PLM_143	floor tile				Dissolved
0040A - B	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 106	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1717266PLM_258	mastic				Dissolved
0040B - A	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 160	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1717266PLM_144	floor tile				Dissolved
0040B - B	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 160	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_259	mastic				Dissolved
0040C - A	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 118	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1717266PLM_145	floor tile - ashed				Ashed

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0040C - B	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 118	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_260	mastic				Dissolved
0041A - A	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, R	6% Chrysotile		94% Other	Brown Non Fibrous Heterogeneous
1717266PLM_146	floor tile				Dissolved
0041A - B	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, R	8% Chrysotile		92% Other	Black Non Fibrous Heterogeneous
1717266PLM_261	mastic				Dissolved
0041B - A	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, R	Not Analyzed			
1717266PLM_147	floor tile				
0041B - B	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, R	Not Analyzed			
1717266PLM_262	mastic				
0041C - A	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, R	Not Analyzed			
1717266PLM_148	floor tile				
0041C - B	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, R	Not Analyzed			
1717266PLM_263	mastic				
0042A	Light Heat Shield, Exterior Entrance at Corridor 163	40% Chrysotile	40% Cellulose	20% Other	White Fibrous Heterogeneous
1717266PLM_149					Teased

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0042B	Light Heat Shield, Exterior Entrance at Corridor 163	Not Analyzed			
1717266PLM_150					
0042C	Light Heat Shield, Exterior Entrance at Corridor 163	Not Analyzed			
1717266PLM_151					
0043A - A	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 129	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_152	floor tile				Dissolved
0043A - B	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 129	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_264	mastic				Dissolved
0043B - A	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 127	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_153	floor tile				Dissolved
0043B - B	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 127	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_265	mastic				Dissolved
0043C - A	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 124	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_154	floor tile - ashed				Ashed
0043C - B	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 124	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_266	mastic				Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0044A - A	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 124	None Detected	90% Cellulose	10% Other	White, Beige Fibrous Heterogeneous
1717266PLM_155	vinyl				Teased
0044A - B	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1717266PLM_267	mastic				Dissolved
0044B - A	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom	None Detected	90% Cellulose	10% Other	White, Beige Fibrous Heterogeneous
1717266PLM_156	vinyl				Teased
0044B - B	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1717266PLM_268	mastic				Dissolved
0044C - A	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom	None Detected	90% Cellulose	10% Other	White, Beige Fibrous Heterogeneous
1717266PLM_157	vinyl				Teased
0044C - B	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1717266PLM_269	mastic				Dissolved
0045A	Textured Ceiling Finish, Room 118B	8% Chrysotile	12% Cellulose	80% Other	White Non Fibrous Heterogeneous
1717266PLM_158					Teased
0045B	Textured Ceiling Finish, Room 118B	Not Analyzed			
1717266PLM_159					

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0045C	Textured Ceiling Finish, Room 118B	Not Analyzed			
1717266PLM_160					
0045D	Textured Ceiling Finish, Room 118B	Not Analyzed			
1717266PLM_161					
0045E	Textured Ceiling Finish, Room 118B	Not Analyzed			
1717266PLM_162					
0046A	Drywall Joint Compound, 1956 Addition First Floor Room 151	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_163					Teased
0046B	Drywall Joint Compound, 1956 Addition First Floor Room 151	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_164					Teased
0046C	Drywall Joint Compound, 1956 Addition First Floor Room 151	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_165					Teased
0047A	Drywall Joint Compound, Board Offices Room 010	None Detected		100% Quartz	White Non Fibrous Heterogeneous
1717266PLM_166					Teased
0047B	Drywall Joint Compound, Board Offices Room 001	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_167					Teased

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0047C	Drywall Joint Compound, Board Offices Room 005	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_168					Teased
0048A	Rough Plaster Ceiling, Basement Room 011S	0.8% Libby Amphibole		69.2% Other 30% Vermiculite	Gray Non Fibrous Heterogeneous
1717266PLM_169	single layer				Crushed
0048B	Rough Plaster Ceiling, Basement Room 011A	Not Analyzed			
1717266PLM_170					
0048C	Rough Plaster Ceiling, Basement Room 013	Not Analyzed			
1717266PLM_171					
0049A	Fibrous Sprayed Fireproofing, Basement Room 011B	None Detected	90% Mineral Wool	10% Other	Gray Fibrous Heterogeneous
1717266PLM_172					Teased
0049B	Fibrous Sprayed Fireproofing, Basement Room 011B	None Detected	90% Mineral Wool	10% Other	Gray Fibrous Heterogeneous
1717266PLM_173					Teased
0049C	Fibrous Sprayed Fireproofing, Basement Room 011B	None Detected	90% Mineral Wool	10% Other	Gray Fibrous Heterogeneous
1717266PLM_174					Teased
0050A - A	Plaster, 2nd Floor, Fan Room 164	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_175	finish				Teased

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0050A - B	Plaster, 2nd Floor, Fan Room 164	0.8% Libby Amphibole		69.2% Other 30% Vermiculite	Gray Non Fibrous Heterogeneous
1717266PLM_270	base				Teased
0050B - A	Plaster, 2nd Floor, Room 201	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_176	finish				Teased
0050B - B	Plaster, 2nd Floor, Room 201	Not Analyzed			
1717266PLM_271	base				
0050C - A	Plaster, 2nd Floor, Room 208	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_177	finish				Teased
0050C - B	Plaster, 2nd Floor, Room 208	Not Analyzed			
1717266PLM_272	base				
0050D - A	Plaster, 2nd Floor, Room 209	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_178	finish				Teased
0050D - B	Plaster, 2nd Floor, Room 209	Not Analyzed			
1717266PLM_273	base				
0050E - A	Plaster, 2nd Floor, Corridor at Balcony	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_179	finish				Teased

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0050E - B	Plaster, 2nd Floor, Corridor at Balcony	Not Analyzed			
1717266PLM_274	base				
0050F - A	Plaster, 2nd Floor, Corridor at Balcony	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_180	finish				Teased
0050F - B	Plaster, 2nd Floor, Corridor at Balcony	Not Analyzed			
1717266PLM_275	base				
0050G - A	Plaster, 2nd Floor, Corridor	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_181	finish				Teased
0050G - B	Plaster, 2nd Floor, Corridor	Not Analyzed			
1717266PLM_276	base				
0051A	Drywall Joint Compound, 2nd Floor, Room 204	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_182					Teased
0051B	Drywall Joint Compound, 2nd Floor, Room 206	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_183					Teased
0051C	Drywall Joint Compound, 2nd Floor, Room 220	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_184					Teased

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0052A - A	VT2 - 12" Brown Fleck, room 114	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1717266PLM_185	floor tile				Dissolved
0052A - B	VT2 - 12" Brown Fleck, room 114	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_277	mastic				Dissolved
0052B - A	VT2 - 12" Brown Fleck, room 118B	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1717266PLM_186	floor tile				Dissolved
0052B - B	VT2 - 12" Brown Fleck, room 118B	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_278	mastic				Dissolved
0052C - A	VT2 - 12" Brown Fleck, room 122	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1717266PLM_187	floor tile - ashed				Ashed
0052C - B	VT2 - 12" Brown Fleck, room 122	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_279	mastic				Dissolved
0053A - A	VT4 - 12" Beige Fleck, Room 108	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1717266PLM_188	floor tile				Dissolved
0053A - B	VT4 - 12" Beige Fleck, Room 108	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_280	mastic				Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0053B - A	VT4 - 12" Beige Fleck, Room 106	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1717266PLM_189	floor tile				Dissolved
0053B - B	VT4 - 12" Beige Fleck, Room 106	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_281	mastic				Dissolved
0053C - A	VT4 - 12" Beige Fleck, Room 139	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1717266PLM_190	floor tile - ashed				Ashed
0053C - B	VT4 - 12" Beige Fleck, Room 139	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_282	mastic				Dissolved
0054A	Drywall Joint Compound, 1959 Addition, Room 135B	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_191					Teased
0054B	Drywall Joint Compound, 1959 Addition, Room 135B	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_192					Teased
0054C	Drywall Joint Compound, 1959 Addition, Room 135B	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_193					Teased
0055A	AT9 - 2'x4' Lay-in ceiling tiles with Clustered Small and Medium Pinholes, Room 105	None Detected	45% Cellulose 45% Mineral Wool	10% Other	Beige Fibrous Heterogeneous
1717266PLM_194					Teased, Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAL. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Philip Szabo (136)
Byron Stroble (146)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

Attn: Sarah Young

Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0055B	AT9 - 2'x4' Lay-in ceiling tiles with Clustered Small and Medium Pinholes, Room 105	None Detected	45% Cellulose 45% Mineral Wool	10% Other	Beige Fibrous Heterogeneous
1717266PLM_195					Teased, Ashed
0055C	AT9 - 2'x4' Lay-in ceiling tiles with Clustered Small and Medium Pinholes, Room 105	None Detected	45% Cellulose 45% Mineral Wool	10% Other	Beige Fibrous Heterogeneous
1717266PLM_196					Teased, Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Philip Szabo (136)
Byron Stroble (146)

Analyst

Approved Signatory

171726 (revised)
Version 1-15-2012

Client: Pinchin Ltd.
Contact: Sarah Young
 135 Ontario Street, Unit# 1
Address: Kingston, ON K7L 0A5
Phone: 613-541-1013
Fax:
Email: syoung@pinchin.com

Project: 200584.018, 14 Monck Street,
 Bancroft, ON, HPEDSB, North
 Hastings Secondary School

Client Notes:

P.O. #. 200584.018

Date Submitted: August 10, 2017

Analysis: PLM - Stop Positive
TurnAroundTime: 4days

***Instructions:**
 Use Column "B" for your contact info

To See an Example Click the
 bottom Example Tab.

Enter samples between "<<" and ">>"

Begin Samples with a "<<" above the first sample
 and end with a ">>" below the last sample.
 Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional
 fields that do not show up on the official
 report, however they will be included
 in the electronic data returned to you
 to facilitate your reintegration of the report data.

Invoice to:
 Contact name here
 Email address here



Scientific
 Analytical
 Institute

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

Sample Number	Data 1 (Lab use only)	Sample Description	Data 2 (Lab use only)
---------------	-----------------------	--------------------	-----------------------

<<			
0001A		Exterior Brown Soft Door Caulking, West Door, 1959 Addition	
0001B		Exterior Brown Soft Door Caulking, North Door, 1966 Addition	
0001C		Exterior Brown Soft Door Caulking, North Door, 1947 Addition	
0002A		Exterior Stucco, West Elevation, 1962 Addition	
0002B		Exterior Stucco, East Elevation, 1962 Addition	
0002C		Exterior Stucco, North Elevation, 1962 Addition	
0002D		Exterior Stucco, North Elevation, 1966 Addition	
0002E		Exterior Stucco, West Elevation, 1966 Addition	
0002F		Exterior Stucco, East Elevation, 1966 Addition	
0002G		Exterior Stucco, East Elevation, 1962 Addition	
0003A		Exterior White Firm Caulking Between Joints of Stucco, West Elevation, 1962 Addition	
0003B		Exterior White Firm Caulking Between Joints of Stucco, West Elevation, 1962 Addition	
0003C		Exterior White Firm Caulking Between Joints of Stucco, West Elevation, 1966 Addition	
0004A		Exterior White/Grey Soft Caulking, Window and Doors, West Elevation, 1962 Addition	
0004B		Exterior White/Grey Soft Caulking, Window and Doors, East Elevation, 1962 Addition	
0004C		Exterior White/Grey Soft Caulking, Window and Doors, East Elevation, 1956 Addition	
0005A		Exterior Soft Brown Window Caulking, West Elevation, 1956 Addition	

Accepted

Rejected

M. Ives-Fublee
 8-21 2:30 P

0005B	Exterior Soft Brown Window Caulking, East Elevation, 1962 Addition
0005C	Exterior Soft Brown Window Caulking, East Elevation, 1962 Addition
0006A	Exterior Soft Beige Caulking Between Joints of Acrylic Panels, East Elevation, 1962 Addition
0006B	Exterior Soft Beige Caulking Between Joints of Acrylic Panels, East Elevation, 1962 Addition
0006C	Exterior Soft Beige Caulking Between Joints of Acrylic Panels, East Elevation, 1962 Addition
0007A	Exterior Soft Grey Caulking Between Joints of Acrylic Panels, South Elevation, 1956 Addition
0007B	Exterior Soft Grey Caulking Between Joints of Acrylic Panels, North Elevation, 1956 Addition
0007C	Exterior Soft Grey Caulking Between Joints of Acrylic Panels, East Elevation, 1956 Addition
0008A	Exterior Soft Grey Window and Door Caulking, South Elevation, 1956 Addition
0008B	Exterior Soft Grey Window and Door Caulking, West Elevation, 1956 Addition
0008C	Exterior Soft Grey Window and Door Caulking, East Elevation, 1956 Addition
0009A	Exterior Soft Black Expansion Joint Caulking, East Elevation, 1947 Building
0009B	Exterior Soft Black Expansion Joint Caulking, East Elevation, 1947 Building
0009C	Exterior Soft Black Expansion Joint Caulking, East Elevation, 1947 Building
0010A	Exterior Soft White Window Caulking, East Elevation, 1947 Building
0010B	Exterior Soft White Window Caulking, East Elevation, 1947 Building
0010C	Exterior Soft White Window Caulking, East Elevation, 1947 Building
0011A	Exterior Grey Stucco, East Elevation, 1947 Building
0011B	Exterior Grey Stucco, East Elevation, 1947 Building
0011C	Exterior Grey Stucco, West Elevation, 1947 Building
0012A	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition
0012B	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition
0012C	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition
0013A	Exterior Soft Grey Window Caulking, West Elevation, 1962 Addition
0013B	Exterior Soft Grey Window Caulking, South Elevation, 1962 Addition
0013C	Exterior Soft Grey Window Caulking, West Elevation, 1947 Building
0014A	Exterior Soft Grey Caulking at Glass Window Cubes, West Elevation, 1947 Building
0014B	Exterior Soft Grey Caulking at Glass Window Cubes, West Elevation, 1947 Building
0014C	Exterior Soft Grey Caulking at Glass Window Cubes, West Elevation, 1947 Building
0015A	AT14 - 2'x4' Lay-in Ceiling Tiles with Lenthwise Fissures and Pinholes, Room 214
0015B	AT14 - 2'x4' Lay-in Ceiling Tiles with Lenthwise Fissures and Pinholes, Room 215
0015C	AT14 - 2'x4' Lay-in Ceiling Tiles with Lenthwise Fissures and Pinholes, Room 216
0016A	Plaster Ceiling, 1959 Addition, Corridor 145
0016B	Plaster Wall, 1959 Addition, Room 138
0016C	Plaster Ceiling, 1959 Addition, Room 137
0016D	Plaster Wall, 1959 Addition, Room 108
0016E	Plaster Wall, 1959 Addition, Corridor 145
0016F	Plaster Wall, 1959 Addition, Room 140
0016G	Plaster Wall, 1959 Addition, Room 136
0017A	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 138

0017B	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 102
0017C	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 157A
0018A	Sweatwrap Pipe Insultion, Corridor 145
0018B	Sweatwrap Pipe Insultion, Corridor 145
0018C	Sweatwrap Pipe Insultion, Vestibule 163
0019A	Parging Cement Pipe Insulation, Room 109
0019B	Parging Cement Pipe Insulation, Room 140
0019C	Parging Cement Pipe Insulation, Corridor 145
0020A	Textured Wall Finish, Room 109
0020B	Textured Wall Finish, Room 115
0020C	Textured Wall Finish, Room 115
0020D	Textured Wall Finish, Room 142
0020E	Textured Wall Finish, Room 143
0021A	Aircell Pipe Insulation, Corridor 144
0021B	Aircell Pipe Insulation, 2nd Floor Fan Room
0021C	Aircell Pipe Insulation, Vestibule 163
0022A	Drywall Joint Compound, 1966 Additions, Corridor 144
0022B	Drywall Joint Compound, 1966 Additions, Room 116
0022C	Drywall Joint Compound, 1966 Additions, Room 113
0022D	Drywall Joint Compound, 1966 Additions, Corridor 162
0020E	Drywall Joint Compound, 1966 Additions, Room 130
0023A	Plaster Wall, 1962 Addition, Corridor 144
0023B	Plaster Wall, 1962 Addition, Corridor 144
0023C	Plaster Wall, 1962 Addition, Corridor 144
0023D	Plaster Ceiling, 1962 Addition, Storage Room 160S
0023E	Plaster Ceiling, 1962 Addition, Hallway 122H
0024A	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 114A
0024B	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 115
0024C	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 160S
0025A	AT4 - 2x4 Lay-in Ceiling Tiles with Small Widthwise Fissures and Few Defined Pinholes, Cor
0025B	AT4 - 2x4 Lay-in Ceiling Tiles with Small Widthwise Fissures and Few Defined Pinholes, Roc
0025C	AT4 - 2x4 Lay-in Ceiling Tiles with Small Widthwise Fissures and Few Defined Pinholes, Roc
0026A	AT5 - 2x4 Lay-in Ceiling Tiles with 'S' Shaped Fissures and Pinholes, Corridor 144 at Exit
0026B	AT5 - 2x4 Lay-in Ceiling Tiles with 'S' Shaped Fissures and Pinholes, Corridor 144 at Exit
0026C	AT5 - 2x4 Lay-in Ceiling Tiles with 'S' Shaped Fissures and Pinholes, Corridor 144 at Exit
0027A	Plaster Wall, 1966 Addition, Vestibule at Corridor 144
0027B	Plaster Ceiling, 1966 Addition, Corridor 162
0027C	Plaster Wall, 1966 Addition, Vestibule at Corridor 144
0028A	VT5 - 12" Beige with Burgandy Streaks, Room 107
0028B	VT5 - 12" Beige with Burgandy Streaks, Room 105

0028C	VT5 - 12" Beige with Burgandy Streaks, Room 105
0029A	Smooth Plaster, 1947 Original Building, Corridor 145
0029B	Smooth Plaster, 1947 Original Building, Corridor 145
0029C	Smooth Plaster, 1947 Original Building, Corridor 145
0029D	Smooth Plaster, 1947 Original Building, Room 132
0029E	Smooth Plaster, 1947 Original Building, Gym Storage
0029F	Smooth Plaster, 1947 Original Building, Corridor 119
0029G	Smooth Plaster, 1947 Original Building, Corridor 118B
0030A	AT8 - 1'x1' Glued-on Ceiling tiles with Smooth Surface, Wood Fibre Composition, Room 107
0030B	AT8 - 1'x1' Glued-on Ceiling tiles with Smooth Surface, Wood Fibre Composition, Room 101
0030C	AT8 - 1'x1' Glued-on Ceiling tiles with Smooth Surface, Wood Fibre Composition, Room 104
0031A	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor 145
0031B	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor 146
0031C	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor Gym
0031D	Rough Plaster (1/2 Walls), 1947 Original Building, Stairwell at Corridor 162
0031E	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Balcony
0031F	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Kitchen
0031G	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Corridor
0032A	VT6 - 12" Tan with Burgandy Streaks, Room 105
0032B	VT6 - 12" Tan with Burgandy Streaks, Room 105
0032C	VT6 - 12" Tan with Burgandy Streaks, Room 105
0033A	Black Mastic, Ceiling Tile Adhesive, Room 101
0033B	Black Mastic, Ceiling Tile Adhesive, Room 101
0033C	Black Mastic, Ceiling Tile Adhesive, Room 101
0034A	Drywall Joint Compound, 1947 Original Building, Room 133
0034B	Drywall Joint Compound, 1947 Original Building, Room 156 Shower
0034C	Drywall Joint Compound, 1947 Original Building, Room 166
0034D	Drywall Joint Compound, 1947 Original Building, Room 126
0034E	Drywall Joint Compound, 1947 Original Building, Room 148
0035A	AT11 - 2x4 Lay-in Ceiling Tiles with Small Fissures and Large Pinholes, Room 101
0035B	AT11 - 2x4 Lay-in Ceiling Tiles with Small Fissures and Large Pinholes, Room 130
0035C	AT11 - 2x4 Lay-in Ceiling Tiles with Small Fissures and Large Pinholes, Room 130
0036A	Drywall Joint Compound, 1962 Addition, Room 131
0036B	Drywall Joint Compound, 1962 Addition, Room 100
0036C	Drywall Joint Compound, 1962 Addition, Room 131
0037A	Fibrous Sprayed Fireproofing, Gym
0037B	Fibrous Sprayed Fireproofing, Gym
0037C	Fibrous Sprayed Fireproofing, Gym
0037D	Fibrous Sprayed Fireproofing, Gym
0037E	Fibrous Sprayed Fireproofing, Gym

0038A	Parging Cement Duct Insulation, 2nd Floor Fan Room 164
0038B	Parging Cement Duct Insulation, 2nd Floor Fan Room 164
0038C	Parging Cement Duct Insulation, 2nd Floor Fan Room 164
0039A	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room 157A
0039B	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room 157A
0039C	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room 157A
0040A	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 106
0040B	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 160
0040C	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 118
0041A	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, Room
0041B	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, Room
0041C	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, Room
0042A	Light Heat Shield, Exterior Entrance at Corridor 163
0042B	Light Heat Shield, Exterior Entrance at Corridor 163
0042C	Light Heat Shield, Exterior Entrance at Corridor 163
0043A	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 129
0043B	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 127
0043C	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 124
0044A	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom
0044B	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom
0044C	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom
0045A	Textured Ceiling Finish, Room 118B
0045B	Textured Ceiling Finish, Room 118B
0045C	Textured Ceiling Finish, Room 118B
0045D	Textured Ceiling Finish, Room 118B
0045E	Textured Ceiling Finish, Room 118B
0046A	Drywall Joint Compound, 1956 Addition First Floor Room 151
0046B	Drywall Joint Compound, 1956 Addition First Floor Room 151
0046C	Drywall Joint Compound, 1956 Addition First Floor Room 151
0047A	Drywall Joint Compound, Board Offices Room 010
0047B	Drywall Joint Compound, Board Offices Room 001
0047C	Drywall Joint Compound, Board Offices Room 005
0048A	Rough Plaster Ceiling, Basement Room 011S
0048B	Rough Plaster Ceiling, Basement Room 011A
0048C	Rough Plaster Ceiling, Basement Room 013
0049A	Fibrous Sprayed Fireproofing, Basement Room 011B
0049B	Fibrous Sprayed Fireproofing, Basement Room 011B
0049C	Fibrous Sprayed Fireproofing, Basement Room 011B
0050A	Plaster, 2nd Floor, Fan Room 164
0050B	Plaster, 2nd Floor, Room 201

0050C	Plaster, 2nd Floor, Room 208
0050D	Plaster, 2nd Floor, Room 209
0050E	Plaster, 2nd Floor, Corridor at Balcony
0050F	Plaster, 2nd Floor, Room 214
0050G	Plaster, 2nd Floor, Corridor
0051A	Drywall Joint Compound, 2nd Floor, Room 204
0051B	Drywall Joint Compound, 2nd Floor, Room 206
0051C	Drywall Joint Compound, 2nd Floor, Room 220
0052A	VT2 - 12" Brown Fleck, room 114
0052B	VT2 - 12" Brown Fleck, room 118B
0052C	VT2 - 12" Brown Fleck, room 122
0053A	VT4 - 12" Beige Fleck, Room 108
0053B	VT4 - 12" Beige Fleck, Room 106
0053C	VT4 - 12" Beige Fleck, Room 139
0054A	Drywall Joint Compound, 1959 Addition, Room 135B
0054B	Drywall Joint Compound, 1959 Addition, Room 135B
0054C	Drywall Joint Compound, 1959 Addition, Room 135B
0055A	AT9 - 2'x4' Lay-in ceiling tiles with Clustered Small and Medium Pinholes, Room 105
0055B	AT9 - 2'x4' Lay-in ceiling tiles with Clustered Small and Medium Pinholes, Room 105
0055C	AT9 - 2'x4' Lay-in ceiling tiles with Clustered Small and Medium Pinholes, Room 105

APPENDIX II-B
Lead Analytical Certificates

Certificate of Analysis

Pinchin Ltd. (Kingston)

1456 Centennial Drive, Suite 2
Kingston, ON K7P 0K4
Attn: Michael Fobear

Client PO: North Hastings Secondary School
Project: 200584.030
Custody:

Report Date: 31-Jan-2018
Order Date: 29-Jan-2018

Order #: 1805093

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Parcel ID	Client ID
1805093-01	P1, white paint on plaster wall, room 136
1805093-02	P2, grey paint on concrete floor, room 139
1805093-03	P3, grey on steel door frame, room 139
1805093-04	P4, red paint on wood door, room 141
1805093-05	P5, white paint on block wall, room 110
1805093-06	P6, black paint on block wall, room 117
1805093-07	P7, beige paint on block wall, room 116
1805093-08	P8, grey paint on wood door frame, room 106
1805093-09	P9, mint paint on plaster wall, room 101A
1805093-10	P10, pink paint on plaster, 118B
1805093-11	P11, tan speckled paint on drywall wall, room 133
1805093-12	P12, off-white paint on plaster wall, room 153A
1805093-13	P13, baby blue paint on block wall, room 157
1805093-14	P14, off-white paint on block wall, room 160
1805093-15	P15, white paint on wooden window frame, room 166
1805093-16	P16, yellow paint on plaster wall, room 165
1805093-17	P17, lime green paint on block wall, room 152
1805093-18	P18, off-white paint on block wall, room 162
1805093-19	P19, beige paint on plaster wall, room 115
1805093-20	P20, grey paint on block wall, room 204
1805093-21	P21, grey paint on plaster wall, room 202
1805093-22	P22, brown paint on wood door, room 013
1805093-23	P23, red paint on wood door, room 208
1805093-24	P24, grey paint on plaster wall, room 209
1805093-25	P25, white paint on brick wall, room 222
1805093-26	P26, purple paint on plaster wall, room 214
1805093-27	P27, yellow paint on drywall wall, 220
1805093-28	P28, dark green paint on plaster wall, room 213
1805093-29	P29, white paint on drywall ceiling, room 011
1805093-30	P30, white paint on exterior stucco

Approved By:



Mark Foto, M.Sc.
Lab Supervisor

Any use of these results implies your agreement that our total liability in connection with this work, however arising shall be limited to the amount paid by you for this work, and that our employees or agents shall not under circumstances be liable to you in connection with this work

Certificate of Analysis
Client: Pinchin Ltd. (Kingston)
Client PO: North Hastings Secondary School

Report Date: 31-Jan-2018
Order Date: 29-Jan-2018
Project Description: 200584.030

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Metals, ICP-OES	based on MOE E3470, ICP-OES	31-Jan-18	31-Jan-18

Sample and QC Qualifiers Notes

- 1- Gen-19 :Complete separation of paint from substrate not possible for this sample and a small amount of substrate has been included in the paint digestion.
- 2- LG-CNT(Container(s) - Bottle and COC sample ID don't match - Reads "Board Office" instead of "Room 011" in the location field on the sample bag.

Sample Data Revisions

None

Work Order Revisions/Comments:

None

Other Report Notes:

- n/a: not applicable
- ND: Not Detected
- MDL: Method Detection Limit
- Source Result: Data used as source for matrix and duplicate samples
- %REC: Percent recovery.
- RPD: Relative percent difference.

Certificate of Analysis
 Client: Pinchin Ltd. (Kingston)
 Client PO: North Hastings Secondary School

Report Date: 31-Jan-2018
 Order Date: 29-Jan-2018
 Project Description: 200584.030

Sample Results

Lead				Matrix: Paint Sample Date: 27-Jan-18	
Parcel ID	Client ID	Units	MDL	Result	
1805093-01	P1, white paint on plaster wall, room 136	ug/g	20	502	
1805093-02	P2, grey paint on concrete floor, room 139	ug/g	20	503	
1805093-03	P3, grey on steel soor frame, room 139	ug/g	20	437	
1805093-04	P4, red paint on wood door, room 141	ug/g	20	280 [1]	
1805093-05	P5, white paint on block wall, room 110	ug/g	20	436	
1805093-06	P6, black paint on block wall, room 117	ug/g	20	2270	
1805093-07	P7, beige paint on block wall, room 116	ug/g	20	<20	
1805093-08	P8, grey paint on wood door frame, room 106	ug/g	20	384	
1805093-09	P9, mint paint on plaster wall, room 101A	ug/g	20	3520	
1805093-10	P10, pink paint on plaster, 118B	ug/g	20	58	
1805093-11	P11, tan speckled paint on drywall wall, room 133	ug/g	20	21	
1805093-12	P12, off-white paint on plaster wall, room 153A	ug/g	20	<20	
1805093-13	P13, baby blue paint on block wall, room 157	ug/g	20	1250	
1805093-14	P14, off- white paint on block wall, room 160	ug/g	20	<20	
1805093-15	P15, white paint on wooden window frame, room 166	ug/g	20	2720	
1805093-16	P16, yellow paint on plaster wall, room 165	ug/g	20	346	
1805093-17	P17, lime green paint on block wall, room 152	ug/g	20	1030 [1]	
1805093-18	P18, off-white paint on block wall, room 162	ug/g	20	458	
1805093-19	P19, beige paint on plaster wall, room 115	ug/g	20	1360	
1805093-20	P20, grey paint on block wall, room 204	ug/g	20	<20	
1805093-21	P21, grey paint on plaster wall, room 202	ug/g	20	125	
1805093-22	P22, brown paint on wood door, room 013	ug/g	20	307 [1]	
1805093-23	P23, red paint on wood door, room 208	ug/g	20	<20	
1805093-24	P24, grey paint on plaster wall, room 209	ug/g	20	262	
1805093-25	P25, white paint on brick wall, room 222	ug/g	20	45	
1805093-26	P26, purple paint on plaster wall, room 214	ug/g	20	<20 [1]	
1805093-27	P27, yellow paint on drywallwall, 220	ug/g	20	39	
1805093-28	P28, dark green paint on plaster wall, room 213	ug/g	20	457	
1805093-29	P29, white paint on drywall ceiling, room 011	ug/g	20	<20 [1]	
1805093-30	P30, white paint on exterior stucco	ug/g	20	<20 [1]	

Laboratory Internal QA/QC

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Matrix Blank									
Lead	ND	20	ug/g						

Certificate of Analysis
Client: Pinchin Ltd. (Kingston)
Client PO: North Hastings Secondary School

Report Date: 31-Jan-2018
Order Date: 29-Jan-2018
Project Description: 200584.030

Matrix Duplicate

Lead	26200	20	ug/g	24500	6.3	30
------	-------	----	------	-------	-----	----

Matrix Spike

Lead	524	ug/L	251	109	70-130
------	-----	------	-----	-----	--------



TRUSTED,
RESPONS
RELIABLE

Parcel ID: 1805093



Chain of Custody
(Lab Use Only)

OTTAWA KINGSTON NIAGARA MISSISSAUGA SARASOTA www.paracel-labs.com

Page 1 of 3

Client Name: Pinchin Ltd.	Project Reference: 200584.030	TAT: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> 3 Day
Contact Name: Michael Fobear	Quote #: North Hastings Secondary School	<input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day
Address: 1456 Centennial Drive, Suite 2, Kingston, ON	PO #	Date Required: 02/05/2018
Telephone: 613-541-1013	Email Address: mfbear@pinchin.com syoung@pinchin.com	

Criteria: (3) Reg. 153 (As Amended) Table RSC Filing O. Reg. 558/00 PWQO CCME SUB (Storm) SUB (Sanitary) Municipality: Other:

Matrix Type: S (Soil/Soil) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analyses

Parcel Order Number:		Matrix	Air Volume	# of Containers	Sample Taken		Lead	Required Analyses											
1805093					Date	Time													
Sample ID/Location Name																			
1	P1, White paint on plaster wall, Room 136	p		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	P2, Grey paint on concrete floor, IRoom 139	p		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	P3, Grey on steel door frame, Room 139	p		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	P4, Red paint on wood door, Room 141	p		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	P5, White paint on block wall, Room 110	p		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	P6, Black paint on block wall, Room 117	p		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	P7, Beige paint on drywall wall, Room 116	p		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	P8, Grey paint on wood door frame, Room 106	p		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	P9, Mint paint on plaster wall, Room 101A	p		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	P10, Pink paint on plaster wall, 118B	p		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Comments: Please CC Sarah Young on results: syoung@pinchin.com

Method of Delivery: *pu*

Relinquished By (Sign): <i>Michael Fobear</i>	Received By (Driver/Depot): <i>Yusuf A. Farooq</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>[Signature]</i>
Relinquished By (Print): Michael Fobear	Date/Time: Jan 29/18	Date/Time: 01/30/18 10:00am	Date/Time: 01/30/18 10:56am
Date/Time: 01/29/2018 12:00PM	Temperature: _____ °C	Temperature: _____ °C	pH Verified [] By: _____

APPENDIX II-C
PCB Analytical Certificates

Certificate of Analysis

Pinchin Ltd. (Kingston)

1456 Centennial Drive, Suite 2
Kingston, ON K7P 0K4
Attn: Michael Fobear

Client PO: North Hastings Secondary School
Project: 200584.030
Custody:

Report Date: 2-Feb-2018
Order Date: 29-Jan-2018

Order #: 1805087

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Parcel ID	Client ID
1805087-01	PCB1, exterior caulking, composite sample, 1959 portion
1805087-02	PCB2, exterior caulking, composite sample, 1962 portion
1805087-03	PCB3, exterior caulking, composite sample, 1966 portion
1805087-04	PCB4, exterior caulking, composite sample, 1986 portion
1805087-05	PCB5, exterior caulking, composite sample, 1947 portion

Approved By:



Mark Foto, M.Sc.
Lab Supervisor

Certificate of Analysis
Client: Pinchin Ltd. (Kingston)
Client PO: North Hastings Secondary School

Report Date: 02-Feb-2018
Order Date: 29-Jan-2018
Project Description: 200584.030

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
PCBs, total	based on SW846 8082A - GC-ECD	30-Jan-18	1-Feb-18

Certificate of Analysis
 Client: Pinchin Ltd. (Kingston)
 Client PO: North Hastings Secondary School

Report Date: 02-Feb-2018
 Order Date: 29-Jan-2018
 Project Description: 200584.030

Client ID:	PCB1, exterior caulking, composite sample, 1959 portion	PCB2, exterior caulking, composite sample, 1962 portion	PCB3, exterior caulking, composite sample, 1966 portion	PCB4, exterior caulking, composite sample, 1986 portion
Sample Date:	27-Jan-18	27-Jan-18	27-Jan-18	27-Jan-18
Sample ID:	1805087-01	1805087-02	1805087-03	1805087-04
MDL/Units	Other	Other	Other	Other

PCBs

PCBs, total	0.2 ug/g	8.9 [2]	153000 [2]	37.1 [2]	<4.0 [1] [2]
-------------	----------	---------	------------	----------	--------------

Client ID:	PCB5, exterior caulking, composite sample, 1947 portion	-	-	-
Sample Date:	27-Jan-18	-	-	-
Sample ID:	1805087-05	-	-	-
MDL/Units	Other	-	-	-

PCBs

PCBs, total	0.2 ug/g	16.2 [2]	-	-	-
-------------	----------	----------	---	---	---

Certificate of Analysis
Client: Pinchin Ltd. (Kingston)
Client PO: North Hastings Secondary School

Report Date: 02-Feb-2018
 Order Date: 29-Jan-2018
Project Description: 200584.030

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
PCBs									
PCBs, total	ND	0.2	ug/g						
Surrogate: Decachlorobiphenyl	0.712		ug/g		71.2	43-142			

Certificate of Analysis
Client: Pinchin Ltd. (Kingston)
Client PO: North Hastings Secondary School

Report Date: 02-Feb-2018
 Order Date: 29-Jan-2018
Project Description: 200584.030

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
PCBs									
PCBs, total	6.87	4.4	ug/g	ND			0.0	35	ORG09

Certificate of Analysis
 Client: Pinchin Ltd. (Kingston)
 Client PO: North Hastings Secondary School

Report Date: 02-Feb-2018
 Order Date: 29-Jan-2018
 Project Description: 200584.030

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
PCBs									
PCBs, total	1.99	0.2	ug/g		99.3	58-147			
Surrogate: Decachlorobiphenyl	0.800		ug/g		80.0	43-142			

Certificate of Analysis
Client: Pinchin Ltd. (Kingston)
Client PO: North Hastings Secondary School

Report Date: 02-Feb-2018
Order Date: 29-Jan-2018
Project Description: 200584.030

Qualifier Notes:

Sample Qualifiers :

- 1 : Elevated detection limits due to the nature of the sample matrix.
- 2 : Surrogates not available due to extract dilution.

Sample Data Revisions

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.



TRUSTED,
RESPONS
RELIABLE

Parcel ID: 1805087



Chain of Custody
(Lab Use Only)

Page 1 of 1

OTTAWA KINGSTON NIAGARA MISSISSAUGA SARNIA www.paracellabs.com

Client Name: Pinchin Ltd.	Project Reference: 200584.030
Contact Name: Michael Fobear	Quote #: North Hastings Secondary School
Address: 1456 Centennial Drive, Suite 2, Kingston, ON	PO #
Telephone: 613-541-1013	Email Address: mfbear@pinchin.com syoung@pinchin.com

TAI: Regular 3 Day
 2 Day 1 Day
 Date Required: 02/05/2018

Criteria: O. Reg. 153 (As Amended) Table RSC Filing O. Reg. 558/00 PWQO CCME SUB (Storm) SUB (Sanitary) Municipality: Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analyses

Parcel Order Number:

1805087

Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken		PCB											
				Date	Time												
1 PCB1, Exterior caulking, composite sample, 1959 portion	o		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 PCB2, Exterior caulking, composite sample, 1962 portion	o		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 PCB3, Exterior caulking, composite sample, 1966 portion	o		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 PCB4, Exterior caulking, composite sample, 1986 portion	o		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 PCB5, Exterior caulking, composite sample, 1947 Portion	o		1	01/27/2018	PM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments: Please CC Sarah Young on results: syoung@pinchin.com

Method of Delivery:

pu

Relinquished By (Sign):	Received by Driver/Depot:	Received at Lab:	Verified By:
Relinquished By (Print): Michael Fobear	Date/Time: 01/29/18	Date/Time: 01/29/18 10:00am	Date/Time: 01/30/18 10:45am
Date/Time: 01/29/2018 12:00PM	Temperature: °C	Temperature: °C	pH Verified By:

APPENDIX III
Methodology

1.0 GENERAL

Pinchin conducts a room-by-room survey (rooms, corridors, service areas, exterior surfaces, interior spaces, crawlspaces, window caulking, attic spaces and above drop ceilings, etc.) to identify the hazardous building materials as defined by the scope of work. All work is conducted in accordance with our own internal Standard Operating Procedures.

Pinchin will also perform a gap analysis and assess any areas not previously addressed. Existing reports will be reviewed to minimize duplication of work.

Information regarding the location and condition of hazardous building materials encountered and visually estimated quantities are recorded. Previous reports will be reference and existing sample analysis will be relied upon. Additional samples will be collected as required to meet regulatory compliance. The locations of any samples collected are recorded on small-scale plans.

1.1 Limitations on Scope

The assessment excludes the following:

- Articles belonging to the owner, tenant or occupant (e.g. stored items, furniture, appliances, etc.).
- Underground materials or equipment (e.g. vessels, drums, underground storage tanks, pipes, etc.).
- Building envelope, structural components, inaccessible or concealed materials or other items where sampling may cause consequential damage to the property.
- Energized systems (e.g. internal boiler components, elevators, mechanical or electrical components).
- Controlled products (e.g. stored chemicals, operational or process-related substances).
- Materials not typically associated with construction (e.g. settled dust, spills, residual contamination from prior spills, etc.).

The assessment includes project specific area intrusive inspections, including limited demolition of wall and ceiling finishes (drywall or plaster) to view concealed conditions at representative areas as permitted by the current building use. Limited destructive testing of flooring is conducted where possible (under carpets or multiple layers of flooring). Demolition of masonry walls (chases, shafts etc.), structural items or exterior building finishes is not conducted, unless specifically identified in the scope. Repairs are made using caulking to seal small openings or plastic access panels for larger openings. All efforts are made to access heights (gym ceilings).

1.2 Asbestos

An inspection is conducted for the presence of friable and non-friable asbestos-containing materials (ACM). A friable material is a material that when dry can be crumbled, pulverized or powdered by hand pressure.

A separate set of samples is 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 are determined by visual examination and available information on the phases of construction and prior renovations.

Samples are collected at a rate that is in compliance with the requirements of local regulations and guidelines. The sampling strategy is 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 are visually identified without sample confirmation.

Drywall joint compound is sampled at exterior walls, columns or other locations that are unlikely to have been renovated in an attempt to determine the presence of asbestos in the original drywall compound. Delineation of asbestos-containing drywall compound based on construction phase is conducted.

Flooring mastic or adhesive is sampled and analyzed if present on the underside of flooring samples (vinyl floor tile and vinyl sheet flooring).

Pinchin conducts limited demolition of masonry block walls (core holes) to investigate for loose fill insulation. The core holes are temporarily patched with expanding foam or caulking. Due to the potential use of the reports, core drilling of concrete block walls will be completed in all buildings. Inspection will occur in exterior walls (for potential window replacements), corridors (installation of supports for coat racks, shelving, lockers, etc.) and around mechanical/electrical rooms. The exact quantity of inspections will be determined based on the size of the building and number of phases of construction.

The following materials (if present) are not sampled and will be presumed to contain asbestos.

- Roofing, felts and tar.
- Concrete floor levelling compound.
- Elevator and lift brakes.

- Electrical components or wiring within control centers, breakers, motors or lights, insulation on wiring.
- Moulded plastic components (laboratory bench tops).
- Refractory materials and insulations in boilers, incinerators and stacks.
- Insulation under metal clad boilers and vessels.
- Mechanical packing, ropes and gaskets.
- Fire resistant doors or metal clad finishes.

The bulk samples are submitted to a NVLAP accredited laboratory for analysis. The analysis is 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 are compared to the following criteria:

Jurisdiction	Friable	Non-Friable
Ontario	0.5%	0.5%

The asbestos analysis is completed using a stop positive approach. Only one result meeting the above regulated criteria is 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 stops 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 are analyzed if no asbestos is detected. In some cases, all samples are analyzed in the sample set regardless of result.

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.

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

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

1.3 Lead

Samples of distinctive paint finishes and surface coatings present in more than a limited application, where removal of the paint is possible is collected. The samples are collected by scraping the painted finish to include base and covering applications. Drawings included show sample locations.

Analysis for lead in paints or surface coatings is performed at an accredited laboratory in accordance with EPA Method No. 3050B/Method No. 7420; flame atomic absorption.

The Ontario Ministry of Labour (MOL) has not established a lower limit for concentrations of lead in paint, below which precautions do not need to be considered during construction projects. Pinchin follows the recommendations of the Environmental Abatement Council of Ontario (EACO) Lead Guideline for Construction, Renovation, Maintenance or Repair. The Guideline suggests that 0.1% (1,000 ppm) lead in paint represents a de minimis concentration of lead in paint for construction hygiene purposes, that is a concentration below which the lead content is not the limiting hazard in any disturbance of leaded paint for non-aggressive disturbance of painted finishes, (hand powered demolition, chipping, scraping, light sanding, etc.). The use of aggressive methods such as power grinding, torching, welding, etc. may result in significant lead exposures even with low concentrations of lead in paints (below 0.1%). Paint and surface coatings are evaluated for condition such as flaking, chipping or spalling.

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

1.4 Silica

Building materials known to contain crystalline silica (e.g. concrete, cement, tile, brick, masonry, mortar) is identified by visual inspection only. Pinchin does not perform sampling of these materials for laboratory analysis of crystalline silica content.

1.5 Mercury

Building materials/products/equipment (e.g. thermostats, barometers, pressure gauges, light tubes), suspected to contain mercury are identified by visually inspection only. Dismantling of equipment suspected of containing mercury is not performed. Sampling of these materials for laboratory analysis of mercury content is not performed.

1.6 Polychlorinated Biphenyls

The potential for light ballast and wet transformers to contain PCBs is 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 is compared to known ban dates of PCBs and Environment Canada publications.

Dry type transformers are presumed to be free of dielectric fluids and hence non-PCB.

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

Caulking or sealants are sampled for PCBs based on the date of construction or installation. Caulking installed after 1985 (1980 ban date plus a reasonable non-compliance period based on our experience) is presumed to be free of PCBs and hence not sampled. If sampled, analysis for PCBs is performed using an ASTM test method appropriate to the sample matrix at an accredited laboratory. Sample results are compared to the criteria of 50 ppm for solids as stated in the PCB Regulation, SOR/2008-273.

1.7 Visible Mould

The presence of mould is determined by visual inspection of exposed building surfaces. If any mould growth is concealed within building cavities it is not addressed in this assessment. Sampling is not performed.

Master Template: Methodology Document for Hazardous Building Materials Management, HAZ, December 1, 2017

APPENDIX IV-A
Asbestos Containing Materials Data Summary

ACM Data Summary

Client Name: Hastings and Prince Edward District School Board
Site Address: North Hastings Secondary School, 14 Monck Street, Bancroft, ON
Pinchin File: 200584.030
Date: January 27, 2018

Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
Basement	011-017	Ceiling	Rough Plaster	Plaster Base Coat (no top coat present)	800 SF	0.8% Amphibole	Yes	Yes	C	Good	ACM	0048A-C
Basement	013	Pipe Fittings	Pipe Insulation	Parging Cement	9 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
Basement	014	Pipe Fittings	Pipe Insulation	Parging Cement	18 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
Basement	015	Pipe Fittings	Pipe Insulation	Parging Cement	2 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
First	Throughout 1947 Original Building	Walls	Smooth Plaster	Smooth Plaster Base Coat	Unknown	0.8% Amphibole	Yes	No	D	Good	ACM	0029A-G
First	Throughout 1947 Original Building	Ceilings	Smooth Plaster	Smooth Plaster Base Coat	Unknown	0.8% Amphibole	Yes	No	D	Good	ACM	0029A-G
First	Throughout 1947 Original Building	Walls	Rough Plaster	Rough Plaster Base Coat	Unknown	0.8% Amphibole	Yes	No	D	Good	ACM	0031A-G
First	Throughout 1947 Original Building excluding Main Entrance and Office Suites 100 and 133	Walls	Drywall	Drywall Joint Compound	Unknown	3% chrysotile	No	Yes	A	Good	ACM	0034A-C

Client Name: Hastings and Prince Edward District School Board
Site Address: North Hastings Secondary School, 14 Monck Street, Bancroft, ON
Pinchin File: 200584.030
Date: January 27, 2018

Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
First	Throughout 1947 Original Building excluding Main Entrance and Office Suites 100 and 134	Ceilings	Drywall	Drywall Joint Compound	Unknown	3% chrysotile	No	Yes	C	Good	ACM	0034A-C
First	101	Floor	Floor	Vinyl Floor Tile (VT5)	400 SF	2% chrysotile	No	Yes	A	Good	ACM	0028A-C
First	101A	Pipes	Pipe Insulation	Parging Cement	2 fittings	75% chrysotile	Yes	No	B	Good	ACM	0019A-C
First	102/102A	Floor	Floor	Vinyl Floor Tile (VT1)	400 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
First	102/102A	Floor	Floor	Mastic (VT1)	400 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
First	103	Floor	Floor	Vinyl Floor Tile (VT5)	400 SF	2% chrysotile	No	Yes	A	Good	ACM	0028A-C
First	103	Floor	Floor	Vinyl Floor Tile (VT5)	400 SF	2% chrysotile	No	Yes	A	Good	ACM	0028A-C
First	105	Floor	Floor	Vinyl Floor Tile (VT5)	300 SF	2% chrysotile	No	Yes	A	Good	ACM	0028A-C
First	105A	Floor	Floor	Vinyl Floor Tile (VT5)	100 SF	2% chrysotile	No	Yes	A	Good	ACM	0028A-C
First	106	Above Ceiling	Pipe Insulation	Parging Cement	2 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	107	Floor	Floor	Vinyl Floor Tile (VT5)	30 SF	2% chrysotile	No	Yes	A	Good	ACM	0028A-C
First	107	Above Ceiling	Pipe Insulation	Parging Cement	4 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C

Client Name: Hastings and Prince Edward District School Board
Site Address: North Hastings Secondary School, 14 Monck Street, Bancroft, ON
Pinchin File: 200584.030
Date: January 27, 2018

Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
First	107A	Floor	Floor	Vinyl Floor Tile (VT5)	100 SF	2% chrysotile	No	Yes	A	Good	ACM	0028A-C
First	107A	Above Ceiling	Pipe Insulation	Parging Cement	8 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	108	Above Ceiling	Pipe Insulation	Sweatwrap	45 LF	15% chrysotile	Yes	No	C	Good	ACM	0018A-C
First	109	Pipe Fittings	Pipe Insulation	Parging Cement	10 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
First	110	Pipe	Pipe Insulation	Sweatwrap	20 LF	15% chrysotile	Yes	Yes	C	Good	ACM	0018A-C
First	110	Pipe Fittings	Pipe Insulation	Parging Cement	2 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
First	111	Pipe Fittings	Pipe Insulation	Parging Cement	3 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
First	112A	Pipe	Pipe Insulation	Sweatwrap	20 LF	15% chrysotile	Yes	Yes	C	Good	ACM	0018A-C
First	112A	Pipe Fittings	Pipe Insulation	Parging Cement	8 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
First	113	Pipe Fittings	Pipe Insulation	Parging Cement	23 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
First	114A	Floor	Floor	Vinyl Floor Tiles (VT3)	75 SF	2% chrysotile	No	Yes	A	4 loose tiles	ACM	0024A-C
First	114A	Floor	Floor	Mastic (VT3)	75 SF	5% chrysotile	No	No	D	Good	ACM	0024A-C
First	115	Floor	Floor	Vinyl Floor Tiles (VT3)	150 SF	2% chrysotile	No	Yes	A	Good	ACM	0024A-C
First	115	Floor	Floor	Mastic (VT3)	150 SF	5% chrysotile	No	No	D	Good	ACM	0024A-C
First	116A	Above Ceiling	Pipe Insulation	Parging Cement	7 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	117	Pipe	Pipe Insulation	Parging Cement	14 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C

Client Name: Hastings and Prince Edward District School Board
Site Address: North Hastings Secondary School, 14 Monck Street, Bancroft, ON
Pinchin File: 200584.030
Date: January 27, 2018

Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
First	118B	Above Ceiling	Concealed Ceiling	Texture Finish	300 SF	8% chrysotile	Yes	No	C	Good	ACM	0045A-C
First	118C	Above Ceiling	Concealed Ceiling	Texture Finish	50 SF	8% chrysotile	Yes	No	C	Good	ACM	0045A-C
First	118D	Above Ceiling	Concealed Ceiling	Texture Finish	50 SF	8% chrysotile	Yes	No	C	Good	ACM	0045A-C
First	120	Floor	Floor	Vinyl Floor Tile (VT1)	300 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
First	120	Floor	Floor	Mastic (VT1)	300 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
First	121	Floor	Floor	Vinyl Floor Tile (VT1)	300 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
First	121	Floor	Floor	Mastic (VT1)	300 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
First	122H	Above Ceiling	Pipe Insulation	Parging Cement	10 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	122H	Above Ceiling	Pipe Insulation	Aircell	100 LF	70% chrysotile	Yes	No	C	Good	ACM	0021A-C
First	129	Above Ceiling	Pipe Insulation	Parging Cement	4 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	130	Above Ceiling	Pipe Insulation	Parging Cement	3 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	130A	Above Ceiling	Pipe Insulation	Parging Cement	6 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	130A	Floor	Floor	Vinyl Floor Tile (VT8)	100 SF	6% chrysotile	No	Yes	A	Good	ACM	0017A-C
First	130A	Floor	Floor	Mastic (VT8)	100 SF	8% chrysotile	No	No	D	Good	ACM	0017A-C
First	136	Above Ceiling	Pipe Insulation	Aircell	10 LF	70% chrysotile	Yes	No	C	Good	ACM	0021A-C
First	138	Floor	Floor	Vinyl Floor Tile (VT1)	75 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C

Client Name: Hastings and Prince Edward District School Board
Site Address: North Hastings Secondary School, 14 Monck Street, Bancroft, ON
Pinchin File: 200584.030
Date: January 27, 2018

Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
First	138	Floor	Floor	Mastic (VT1)	75 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
First	140	Above Ceiling	Pipe Insulation	Parging Cement	4 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	140	Door	Fire Rated Door	Insulatin within Core	1 door	PACM	Yes	No	D	Good	PACM	PACM
First	142	Above Ceiling	Pipe Insulation	Sweatwrap	15 LF	15% chrysotile	Yes	No	C	Good	ACM	0018A-C
First	144	Above Ceiling	Pipe Insulation	Sweatwrap	100 LF	15% chrysotile	Yes	No	C	Good	ACM	0018A-C
First	144	Above Ceiling	Pipe Insulation	Parging Cement	45 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	144	Above Ceiling	Pipe Insulation	Aircell	200 LF	70% chrysotile	Yes	No	C	Good	ACM	0021A-C
First	145	Above Ceiling	Pipe Insulation	Sweatwrap	100 LF	15% chrysotile	Yes	No	C	Good	ACM	0018A-C
First	145	Above Ceiling	Pipe Insulation	Parging Cement	31 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	145	Above Ceiling	Pipe Insulation	Aircell	12 LF	70% chrysotile	Yes	No	C	Good	ACM	0021A-C
First	154A	Above Ceiling	Pipe Insulation	Sweatwrap	15 LF	15% chrysotile	Yes	No	C	Good	ACM	0018A-C
First	154A	Above Ceiling	Pipe Insulation	Parging Cement	8 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	154B	Above Ceiling	Pipe Insulation	Sweatwrap	50 LF	15% chrysotile	Yes	No	C	Good	ACM	0018A-C
First	154B	Above Ceiling	Pipe Insulation	Parging Cement	15 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	156B	Above Ceiling	Pipe Insulation	Sweatwrap	50 LF	15% chrysotile	Yes	No	C	Good	ACM	0018A-C
First	156B	Above Ceiling	Pipe Insulation	Parging Cement	15 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C

Client Name: Hastings and Prince Edward District School Board
Site Address: North Hastings Secondary School, 14 Monck Street, Bancroft, ON
Pinchin File: 200584.030
Date: January 27, 2018

Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
First	158C (stage)	Pipe	Pipe Insulation	Sweatwrap	8 LF	15% chrysotile	Yes	Yes	C	Good	ACM	0018A-C
First	158C (stage)	Pipe	Pipe Insulation	Parging Cement	23 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
First	160 (under stairwell)	Floor	Floor	Vinyl Floor Tile (VT1)	25 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
First	160 (under stairwell)	Floor	Floor	Mastic (VT1)	25 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
First	160A	Pipe	Pipe Insulation	Parging Cement	10 LF	75% chrysotile	Yes	Yes	A	Good	ACM	0019A-C
First	161	Pipes	Pipe Insulation	Sweatwrap	160LF	75% chrysotile	Yes	Yes	A	Good	ACM	0018A-C
First	162	Above Ceiling	Pipe Insulation	Parging Cement	5 fittings	30% chrysotile	Yes	No	C	Good	ACM	0017A-C
First	162	Above Ceiling	Pipe Insulation	Sweatwrap	105 LF	15% chrysotile	Yes	Yes	C	5 SF Debris	ACM	0018A-C
First	162B	Under Stairwell	Pipe Insulation	Parging Cement	3 fittings	75% chrysotile	Yes	Yes	B	Good	ACM	0019A-C
First	163	Above Ceiling	Pipe Insulation	Aircell	22 LF	70% chrysotile	Yes	No	C	Good	ACM	0021A-C
First	163	Above Ceiling	Pipe Insulation	Parging Cement	10 fittings	30% chrysotile	Yes	No	C	Good	ACM	0017A-C
First	163	Above Ceiling	Pipe Insulation	Sweatwrap	100 LF	15% chrysotile	Yes	Yes	C	Good	ACM	0018A-C
First	167	Floor	Floor	Vinyl Floor Tile (VT1)	75 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
First	167	Floor	Floor	Mastic (VT1)	75 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
Second	164 (Fan Room)	Duct	Duct Insulation	Parging Cement	750 SF	60% chrysotile	Yes	Yes	B	Good	ACM	0038A-C
Second	165 (Fan Room)	Pipe	Pipe Insulation	Parging Cement	8 fittings	75% chrysotile	Yes	Yes	B	Good	ACM	0019A-C

Client Name: Hastings and Prince Edward District School Board
Site Address: North Hastings Secondary School, 14 Monck Street, Bancroft, ON
Pinchin File: 200584.030
Date: January 27, 2018

Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
Second	166 (Fan Room)	Pipe	Pipe Insulation	Aircell	50 LF	70% chrysotile	Yes	Yes	B	Good	ACM	0021A-C
Second	166 (Fan Room)	Pipe	Pipe Insulation	Sweatwrap	25 LF	15% chrysotile	Yes	Yes	B	Good	ACM	0018A-C
Second	201	2 Fumehoods	Wall panels	Transite Board	80 SF	PACM	No	Yes	A	Good	PACM	PACM
Second	212	Floor	Floor	Vinyl Floor Tile (VT1)	400 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
Second	212	Floor	Floor	Mastic (VT1)	400 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
Second	214 Hallway to Music Room	Floor	Floor	Vinyl Floor Tile (VT1)	50 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
Second	215 Hallway to Music Room	Floor	Floor	Mastic (VT1)	50 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
Second	217	Floor	Floor	Vinyl Floor Tile (VT1)	150 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
Second	217	Floor	Floor	Mastic (VT1)	150 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
Second	218	Floor	Floor	Vinyl Floor Tile (VT1)	50 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
Second	218	Floor	Floor	Mastic (VT1)	50 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
Second	Stairwell Landing at 218	Floor	Floor	Vinyl Floor Tile (VT3)	50 SF	2% chrysotile	No	Yes	A	Good	ACM	0024A-C
Second	Stairwell Landing at 218	Floor	Floor	Mastic (VT3)	50 SF	5% chrysotile	No	No	D	Good	ACM	0024A-C

Client Name: Hastings and Prince Edward District School Board
Site Address: North Hastings Secondary School, 14 Monck Street, Bancroft, ON
Pinchin File: 200584.030
Date: January 27, 2018

Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
Second	219	Floor	Floor	Vinyl Floor Tile (VT3)	50 SF	2% chrysotile	No	Yes	A	Good	ACM	0024A-C
Second	219	Floor	Floor	Mastic (VT3)	50 SF	5% chrysotile	No	No	D	Good	ACM	0024A-C
Second	Kitchen	Ceiling	Stucco Panels	Stucco Top Coat	300 SF	3% chrysotile	Yes	Yes	C	Good	ACM	0012A-C
Second	Cafeteria 220	Ceiling	Stucco Panels	Stucco Top Coat	500 SF	3% chrysotile	Yes	No	C	Good	ACM	0012A-C
Second	221	Pipes	Pipe Insulation	Sweatwrap	20LF		Yes	Yes	C	Good	ACM	0018A-C
Exterior	1962 Addition	Southeast Entrance Canopy (under Music Room 214)	Stucco Panels	Stucco Top Coat	300 SF	3% chrysotile	Yes	Yes	C	Good	ACM	0012A-C
Exterior	1959, 1962 and 1966 Additions	Exterior Walls	Stucco	Stucco Base Coat	7,000 SF	2% chrysotile	Yes	Yes	A	Good	ACM	0002A-G
Exterior	1986 Addition	Exterior Windows and Doors	Caulking	Grey, Soft Caulking	13 Windows and 3 Doors	2% chrysotile	No	Yes	A	Good	ACM	0008A-C
Exterior	1947 Original Building and 1962 Addition	Exterior Windows; South and West Elevations and South Elevation in Courtyard	Caulking	Grey, Soft Caulking	50 Windows	2% chrysotile	No	Yes	A	Good	ACM	0008A-C
Exterior	1947 Original Building	East Exterior Elevation	Five Exterior Expansion Joints	Black Caulking	150 LF	4% chrysotile	No	Yes	A	Good	ACM	0009A-C
Roof	Entire Roof	Unknown	Unknown	Roofing Paper and Tar	Unknown	PACM	No	No	C	Good	PACM	PACM
Roof	Entire Roof	Unknown	Unknown	Roof Flashing Caulking	Unknown	PACM	No	No	C	Good	PACM	PACM

Notes:

Accessibility Classification:

A-Areas of the building within reach of all building users.

Client Name: Hastings and Prince Edward District School Board
Site Address: North Hastings Secondary School, 14 Monck Street, Bancroft, ON
Pinchin File: 200584.030
Date: January 27, 2018

Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
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B- Frequently entered maintenance areas within reach of maintenance staff, without a ladder.

C- Areas of the building above 2.4 m where the use of a ladder is required.

Visibility: D- Areas of the building behind inaccessible solid ceiling, walls, mechanical equipment, etc.

Yes - Suspect material is visible without opening hatches or lifting ceiling tiles.

No - Suspect materials is only visible if access hatches are opened or ceiling tiles are lifted.

ACM - Asbestos containing material.

NON-ACM - Material does not contain asbestos.

PACM - Material is presumed to be asbestos.

Non-asbestos vinyl floor tiles with asbestos-containing mastic are considered asbestos-containing due to contamination.

APPENDIX IV-B
Lead, Mercury, Silica, PCB and Mould Data Summary

Lead, Silica, Mercury, PCBs and Mould Data Summary

Client Name: Hastings and Prince Edward District School Board
Site Address: Centre Hastings Secondar School, 14 Monck Street, Bancroft, ON
Pinchin File: 200584.030
Date: January 27, 2018

Level	Room	Hazardous Material	Location	Source	Estimated Quantity	Content, if Applicable	Visibility	Access	Condition	Sample Number
1	117	Lead	Block walls	Paint	N/A	2,270ug/g	Yes	A	Good	P6
1	101A	Lead	Plaster walls	Paint	N/A	3,520ug/g	Yes	A	Good except 10 SF of peeling and flaking paint	P9
1	157	Lead	Block walls	Paint	N/A	1,250ug/g	Yes	A	Good	P13
Throughout	Throughout Building	Lead	Wood window frame	Paint	N/A	2,720ug/g	Yes	A	Good	P15
1	152	Lead	Block walls	Paint	N/A	1,030ug/g	Yes	A	Good	P17
1	115	Lead	Block walls	Paint	N/A	1,360ug/g	Yes	A	Good	P19
Throughout	Throughout Building	Lead	Emergency Lighting	Batteries	N/A	N/A	Yes	C	Good	N/A
Throughout	Throughout Building	Lead	Cast Iron Pipes	Wool or Caulking in Bell and Spigot Fittings	N/A	N/A	Yes	A	Good	N/A
Throughout	Throughout Building	Silica	Slab Foundation	Poured Concrete	N/A	N/A	Yes	A	Good	N/A
Throughout	Throughout Building	Silica	Foundation Walls	Pre-cast Concrete	N/A	N/A	Yes	A	Good	N/A
Throughout	Throughout Building	Silica	Walls	Masonry and Mortar	N/A	N/A	Yes	A	Good	N/A
Throughout	Throughout Building	Silica	Floor	Ceramic Tiles and Grout	N/A	N/A	Yes	A	Good	N/A
Throughout	Throughout Building	Silica	Walls	Plaster	N/A	N/A	Yes	A	Good	N/A
Throughout	Throughout Building	Silica	Ceilings	Plaster	N/A	N/A	Yes	C	Good	N/A
Basement	Board Offices	Mercury	Walls	Thermostat ampules	N/A	N/A	Yes	C	Good	N/A
Throughout	Throughout Building	Mercury	Fluorescent Light Fixtures	Lamps	N/A	N/A	Yes	C	Good	N/A
Throughout	118B, Northeast Stairwell and Basement Storage	PCB	Fluorescent Light Fixtures	Ballasts	N/A	N/A	Yes	C	Good	N/A

Notes:

Accessibility Classification:

- A- Areas of the building within reach of all building users.
- B- Frequently entered maintenance areas within reach of maintenance staff, without a ladder.
- C- Areas of the building above 2.4 m where the use of a ladder is required.
- D- Areas of the building behind inaccessible solid ceiling, walls, mechanical equipment, etc.

Visibility:

- Yes - Suspect material is visible without opening hatches or lifting ceiling tiles.
- No - Suspect materials is only visible if access hatches are opened or ceiling tiles are lifted.



Asbestos Reassessment

North Hastings High School
14 Monck Street, Bancroft,
Ontario

Prepared for:

**Hastings and Prince Edward
District School Board**

224 Palmer Road
Belleville, Ontario K8P 4E1

September 24, 2020

Pinchin File: 200584.059



Asbestos Reassessment

North Hastings High School, 14 Monck Street, Bancroft, Ontario
Hastings and Prince Edward District School Board

September 24, 2020
Pinchin File: 200584.059

Issued to: Hastings and Prince Edward District School Board
Issued on: September 24, 2020
Pinchin File: 200584.059
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EXECUTIVE SUMMARY

Hastings and Prince Edward District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct an asbestos building materials reassessment at 14 Monck Street, Bancroft, Ontario. The reassessment was performed on June 1, 2020.

The objective of the reassessment was to evaluate the condition and quantity of previously reported asbestos-containing materials (ACM), and develop corrective action plans as required for the purposes of long-term management. The results of this assessment are not intended for construction, renovation, demolition or project tendering purposes.

The assessed area consisted of all accessible areas of the building, excluding the roof.

SUMMARY OF FINDINGS

Asbestos-containing materials (ACM) are present as follows:

- Friable, texture finish, containing chrysotile asbestos, is present on the plaster ceiling in Rooms 118B, 118C and 118D, in good condition.
- Friable, parging cement insulation, containing chrysotile asbestos, is present on pipe fittings in various locations throughout the building, in good condition.
- Friable, Aircell insulation, containing chrysotile asbestos, is present on the straight sections of pipes in various locations throughout the building, in good condition.
- Friable, sweatwrap insulation, containing chrysotile asbestos, is present on the straight sections of pipes in various locations throughout the building, in good condition with the exception 5 square feet of sweatwrap debris laying on top of the plaster ceiling at the north end of Corridor 162.
- Friable, parging cement, containing chrysotile asbestos, is present over the fibreglass insulation on ducts in the 2nd floor fan room 164, in good condition.
- Potentially friable, stucco, containing chrysotile asbestos in the base coat, is present on the exterior walls of the 1959, 1962 and 1966 northwest additions and on the southeast 1962 addition, in good condition.
- Potentially friable, stucco panels, containing chrysotile asbestos in the topcoat, are present on the underside of the southeast entrance canopy of the 1962 addition; under the music room 214 and on the ceiling in the 2nd floor kitchen and cafeteria 220, in good condition.



- Potentially friable, smooth and rough plaster, containing amphibole asbestos in the base coat, is present on walls and ceilings throughout the basement and first floor of the 1947 original building and throughout the entire second floor, in good condition.
- Non-friable, drywall joint compound, containing chrysotile asbestos, is present as a wall and ceiling finish throughout the 1st floor of the 1947 original building, excluding the main front entrance and office suites 100 and 131, in good condition.
- Non-friable, asbestos-containing Transite panels are present in two fume hoods in Room 201, in good condition.
- Four varieties of non-friable 9" and 12" vinyl floor tiles, containing chrysotile asbestos, are present in various locations throughout the building, in good condition.
- Non-friable mastic, containing chrysotile asbestos, is present under asbestos-containing 9" vinyl floor tiles throughout the building, in good condition.
- Non-friable, grey, soft caulking, containing chrysotile asbestos is present around exterior windows and doors of the 1947 original building and 1962 and 1986 additions, in good condition.
- Non-friable, black, soft caulking, containing chrysotile asbestos is present at exterior expansion joints on the 1947 original building, in good condition.
- Non-friable, paper heat shields, containing chrysotile asbestos, is present within two exterior incandescent light fixtures at the entrance to Corridor 163, in good condition.
- Friable asbestos-containing insulation is suspect to be present within the core of the fire rated door in Room 140 and is in good condition.
- A non-friable cementitious material, containing chrysotile asbestos, is present behind paint on concrete block walls throughout the building, in good condition.



SUMMARY OF RECOMMENDATIONS

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

1. Remediate the following materials:

Material, Quantity & Condition	Location Name (Location #)	Recommended Procedure
Sweatwrap pipe insulation, 5 SF debris	North end of corridor 162 above plaster ceiling; no access and not reachable, visible from above suspended ceiling tiles in adjacent corridor.	Restrict access until Type 2 asbestos abatement is performed (when required for renovation/demolition/maintenance).

2. Perform a re-assessment of asbestos materials on an annual basis.
3. Prior to renovations or demolition, perform a pre-construction assessment to identify any hazardous materials that may be disturbed by the work.
4. Follow appropriate safe work procedures when handling or disturbing asbestos.

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



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APPENDICES

APPENDIX I	Drawings
APPENDIX II	Asbestos Analytical Certificates
APPENDIX III	Methodology
APPENDIX IV	Asbestos Summary Table



1.0 INTRODUCTION AND SCOPE

Hastings and Prince Edward District School Board (Client) retained Pinchin Ltd. (Pinchin) to conduct an asbestos building materials reassessment at 14 Monck Street, Bancroft, Ontario.

Pinchin performed the reassessment on June 1, 2020. The surveyor was unaccompanied during the reassessment. The assessed area was occupied at the time of the assessment.

The objectives of the reassessment were to document the locations, quantities and conditions of previously identified asbestos containing building materials and develop corrective action plans as required. This reassessment is only to be used for the purposes of long-term management and routine maintenance. The results of this reassessment are not to be used for construction, renovation, demolition or project tendering purposes.

The assessed area consisted of all accessible areas of the building, excluding the roof.

1.1 Scope of Assessment

The objective of the reassessment was to evaluate the condition and quantity of previously reported asbestos-containing materials (ACM), and develop corrective action plans as required.

Additional objectives included the following:

- Collection of additional samples as required to bring previous sampling into compliance with provincial sampling requirements.

Please refer to Appendix III for a detailed description of the methodology used for this assessment.

2.0 BACKGROUND INFORMATION

2.1 Building Description

Description Item	Details
Use	Institutional
Number of Floors	Two stories plus two partial basement levels
Total Area	Approximately 130,000 square feet
Year of Construction	1947 with additions in 1959, 1962, 1966 and 1986
Structure	Structural steel, concrete and wood
Exterior Cladding	Stucco, brick, acrylic panels, pre-cast concrete and metal siding
HVAC	Rooftop AC and boiler with hot water heating to radiators
Roof	Built-up roofing (outside of scope)



Description Item	Details
Flooring	Vinyl tile, vinyl sheet flooring, wood, carpet, ceramic tiles, terrazzo and exposed concrete
Interior Walls	Drywall, concrete block, plaster, texture finish and wicker wall panels
Ceilings	Drywall, plaster, acoustic ceiling tiles and texture finish

2.2 Existing Reports and Summary of Asbestos Abatement

2.2.1 Review of Previous Reports

Pinchin was provided with the following report, which has been reviewed as part of this reassessment:

- *“Hazardous Building Materials Assessment, North Hastings Secondary School, 14 Monck Street, Bancroft, Ontario”* prepared by Pinchin Ltd. dated March 1, 2018 Pinchin File: 200584.030.

2.2.2 Summary of Asbestos Abatement since the Previous Assessment

Abatement work has been completed on site since the last assessment. Based on a review of the above noted abatement reports, and observations made during the reassessment, the following abatement work has been conducted, since completion of the previous report:

- Parging cement insulation on pipe fittings appear to have been removed from the basement room 015. Pinchin is not aware of a report summarizing the removal of this material.
- Parging cement insulation on pipe fittings appear to have been removed from the first-floor room 106. Pinchin is not aware of a report summarizing the removal of this material.

2.3 Inaccessible Locations

The following rooms or areas, within the assessed area, were not accessible to the surveyor and are therefore not included in the report:

Area or Room	Reason	Previously identified ACM not inspected, and condition
Elevator 150	Locked, unauthorized access	Previously inaccessible and not assessed
Elevator Room 200	Locked, unauthorized access	Previously inaccessible and not assessed

3.0 FINDINGS

The following section summarizes the findings of the reassessment and provides a general description of the asbestos materials identified and their locations.

Refer to the Asbestos Summary Table in Appendix IV for details regarding location, condition and quantity of asbestos-containing materials and the drawing in Appendix I for the locations of all known ACMs indicated via hatching or symbols. The locations of samples from both the current assessment, and historical assessments performed by Pinchin, have been included on the drawings.

Appendix II presents the asbestos bulk sample analytical results.

3.1 Asbestos

3.1.1 *Spray-Applied Insulation*

Sprayed (fibrous) fireproofing, present in the gymnasium 158 and 2nd floor balcony (Samples 0037A-E) and in the basement Rooms 011B, 012 and 016 (Samples 0049A-C) does not contain asbestos.



Non-asbestos spray-applied fireproofing in gymnasium 158.

3.1.2 *Texture Finishes (Decorative)*

Texture finish, containing chrysotile asbestos, is present on the plaster ceiling in Rooms 118B, 118C and 118D (Samples 0045A-E). Texture finish is a friable material and in good condition.

Texture finish, present on the upper two feet of walls and isolated ceilings in the 1962 and 1966 northwest additions and on the upper two feet of the walls in the 2nd Floor Balcony, does not contain asbestos (Samples 0020A-E).



Asbestos-containing texture finish on the ceilings in Room 118B.

3.1.3 Pipe Insulation

Parging cement, containing chrysotile asbestos, is present on pipe fittings (elbows, valves, tees, hangers etc.) on various pipe systems throughout the building (Samples 0019A-C). Parging cement is a friable insulation, unjacketed or jacketed with canvas and is in good condition.

A white corrugated paper insulation (trade name Aircell), containing chrysotile asbestos, is present on straight sections of the hot water heating pipe system in isolated locations throughout the building (Samples 0021A-C). Aircell is a friable insulation, unjacketed or jacketed with canvas and is in good condition.

Sweatwrap insulation (brown layered paper), containing chrysotile asbestos, is present on straight sections of domestic cold-water pipes, sanitary drains and rainwater leaders (Samples 0018A-C). Sweatwrap is a friable insulation, unjacketed or jacketed with canvas or foil and is in good condition with the exception of 5 square feet of sweatwrap debris laying on top of the plaster ceiling at the north end of Corridor 162. The debris is not accessible and is only visible from above the suspended ceiling tiles in the adjacent corridor.

Remaining pipes are either uninsulated or insulated with non-asbestos fibreglass.

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

As part of the 2018 Hazardous Building Materials Assessment for the washroom upgrade project, intrusive inspections were attempted at pipe chases neighboring washrooms. Due to limited access and mortar obstructions full visibility was available; however, insulation within the washroom pipe chases appeared to be non-asbestos fibreglass insulation except in the pipe chases and above solid ceilings in

Washroom 141 and the girl's and boy's change rooms, washrooms, and showers associated with Gym 158 (Rooms 154, 155, 156, 156A and 157), where asbestos-containing pipe insulations are expected.



Asbestos-containing paring cement insulation present on pipe fitting, in good condition



Asbestos-containing sweatwrap pipe insulation, in good condition.



Asbestos-containing Aircell pipe present throughout the building

3.1.4 Duct Insulation and Mastic

Paring cement, containing chrysotile asbestos, is present over the entire surface of the fibreglass insulation on ducts in the 2nd floor fan room 164 (Samples 0038A-C). Paring cement is a friable insulation, jacketed with canvas and approximately 750 square feet is present and in good condition.

Remaining ducts are either uninsulated or insulated with non-asbestos fibreglass and jacketed with either canvas or foil.



Asbestos-containing paring cement present under canvas jacketing on ducts in room 164.

3.1.5 Mechanical Equipment Insulation

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

3.1.6 Vermiculite

Destructive testing was conducted of masonry block walls during the 2018 Hazardous Building Materials Assessment. The walls and solid ceilings were penetrated in 20 locations, loose fill vermiculite was not observed within the cavities. The locations of destructive testing have been indicated on the drawings in Appendix I.

3.1.7 Acoustic Ceiling Tiles

Acoustic ceiling tiles are present in the assessed area, as follows:

Size, Type, Pattern	Locations	Sample Number or Date Code	Asbestos Type
2'x4', lay-in, widthwise fissures and few defined pinholes (AT1)	Rooms 102, 114A, 118, 119, 119C, 119D, 120, 121, 121A, 121B, 122, 123, 124, 126, 127, Office Suite 131, 144, 145, 149, 151, 151A, 153A, 162, 165, 166, 166A, 166B, 166C, 201, 201A, 202, 20, 204, 206, 207, 212, 213, 214 and 220	11/06/09 and 05/03/09	None



Asbestos Reassessment

North Hastings High School, 14 Monck Street, Bancroft, Ontario
Hastings and Prince Edward District School Board

September 24, 2020
Pinchin File: 200584.059

2'x4', lay-in, widthwise fissures and many random pinholes (AT2)	Rooms 102, 114, 118, 118A, 118B, 118C, 118D, 119, 119C, 119D, 120, 121, 121A, 121B, 122, 128, 129, 135, 135B, 144, 149, 151, 151A, 165 and 202	02/26/91	None
2'x4', lay-in, widthwise fissures and few large pinholes (AT3)	Rooms 116, 116A and 153A	03/19/96	None
2'x4', lay-in, small widthwise fissures and few defined pinholes (AT4)	Rooms 116, 135, 135B and 144	0025A-C	None detected
2'x4', lay-in, 'S' shaped widthwise fissures and pinholes (AT5)	Room 144	0026A-C	None detected
2'x4', lay-in, pinholes with textured surface (AT6)	Rooms 118, 133, 134, 135, 135B, 153 and 159	03/30/07 and 01/20/05	None
2'x4', lay-in, small wavy fissures and pinholes (AT7)	Rooms 103, 104, 106 and 107	07/10/08	None
1'x1', glued-on, smooth surface (AT8)	Rooms 101, 103, 104, 105, 106, 107, 128, 129 and 164	0030A-C (Tile) 0033A-C (Glue)	None detected None detected
2'x4', lay-in, clustered small and medium pinholes (AT9)	Room 105	0055A-C	None detected
2'x4', lay-in, smooth surface, gypsum composition (AT10)	Room 101	Visually assessed	None
2'x4', lay-in, small fissures and large pinholes (AT11)	Room 101, 130 and 130A	0035A-C	None detected
2'x4', lay-in, fleck and pinhole (AT12)	Office Suite 131, Rooms 127, 166, 166A, 166B and 166C	06/29/99	None
2'x4', lay-in, few random fissures and pinholes (AT13)	Rooms 166, 166A, 166B and 166C	10/19/94	None
2'x4', lay-in, lengthwise fissures and pinholes (AT14)	Room 214	0015A-C	None detected

Ceiling tiles presumed to be non-asbestos are based on the date of manufacture determined from the date stamp applied to the top of the tiles or based on the composition of the tile (i.e. non-asbestos gypsum). The tiles were manufactured after asbestos stopped being used in acoustic ceiling tiles.

3.1.8 Stucco

Stucco, containing chrysotile asbestos in the base coat, is present on the exterior walls of the 1959, 1962 and 1966 northwest additions and on the southeast 1962 addition (Samples 0002A-G). Asbestos was not detected in the topcoat.

Stucco panels, containing chrysotile asbestos in the topcoat, are present on the underside of the southeast entrance canopy of the 1962 addition; under the music room 214 and on the ceiling in the 2nd floor kitchen and cafeteria 220 (Samples 0012A-C). Asbestos was not detected in the base coat.

Stucco is non-friable material which may become friable during removal. All stucco is painted and is in good condition.

Grey stucco present between windows and on the underside of the soffits of the 1947 original building does not contain asbestos (Samples 0011A-C).



Asbestos-containing stucco present on the exterior walls of the 1959, 1962 and 1966 additions.



Asbestos-containing stucco panels present on the underside of the southeast entrance of the 1962 addition (under the music room 214).



Non-asbestos grey stucco present between windows and on the underside of the soffits of the 1947 original building.

3.1.9 Plaster

Plaster is present on walls and ceilings throughout the building. Samples were delineated by construction phase and floor.

Smooth plaster, containing amphibole asbestos in the base coat, is present on walls and ceilings throughout the 1st floor of the 1947 original building and isolated locations on the second floor (Samples 0029A-G). Asbestos was not detected in the topcoat.

Rough plaster (single layer only), containing amphibole asbestos, is present on the ceilings throughout the basement under the 1947 original building (Samples 00048A-C).

Smooth plaster, containing amphibole asbestos in the base coat, is present on walls and ceilings throughout the 2nd floor (Samples 0050A-G). Asbestos was not detected in the topcoat.

Rough plaster, containing amphibole asbestos in the base coat, is present on the lower half of the walls throughout the 1st floor of the 1947 original building and isolated locations on the 2nd floor (Samples 0031A-G). Asbestos was not detected in the topcoat.

Plaster is non-friable material which may become friable during removal. All plaster is painted and is in good condition.

Plaster wall and ceiling finishes present throughout the 1959, 1962 and 1966 ground floor additions do not contain asbestos (Samples 0016A-G, 0023A-E and 0027A-C).

Plaster finishes were not present in the 1986 addition.

3.1.10 Drywall Joint Compound

Drywall is present on walls and ceilings throughout the building. Drywall joint compound samples were delineated by construction phase and floor.

Drywall (gypsum board) and drywall joint compound, containing chrysotile asbestos is present as a wall and ceiling finish throughout the 1st floor of the 1947 original building (Samples 0034A-E); excluding the main front entrance and office suites 100 and 131, which were reportedly renovated and found not to contain asbestos based on a separate sample set (Samples 0036A-C). Drywall joint compound is a non-friable material and in good condition.

Drywall joint compound throughout the remainder of the building does not contain asbestos (Samples 0022A-E, 0036A-C, 0046A-C, 0047A-C, 0051A-C and 0054A-C).

3.1.11 Asbestos Cement Products (Transite)

Transite board is present in 2 fume hoods in Room 201 and is presumed to contain asbestos based on visual observation. Transite is a non-friable material and approximately 80 SF is present and in good condition.



Fume hoods with presumed asbestos-containing Transite board in Room 201



Presumed asbestos-containing Transite board within fume hood.

3.1.12 Vinyl Sheet Flooring

Vinyl sheet flooring is present as follows:

Pattern, Colour	Paper Backing (Yes/No)	Locations	Sample Number	Asbestos Type
White with blue, purple and grey flecks (VSF1)	Yes	Room 167A	0039A-C	None detected
White with beige squares (VSF2)	Yes	Room 118D	0044A-C	None detected
Beige Marble Marmoleum (VSF3)	No	Basement Entrance of Board Offices and Room 226	Visually Assessed	None

Vinyl sheet flooring presumed to be non-asbestos based on historical knowledge of the type of flooring (i.e. marmolium) and based on the lack of a paper backing layer (underpad).

3.1.13 Vinyl Floor Tile and Mastic

Vinyl floor tiles are present as follows:

Size, Pattern, Colour	Locations	Sample Number	Asbestos Type (tile)	Asbestos Type (mastic)
9", light grey with white streaks (VT1)	Rooms 102, 120, 121, 138, 160 (under the stairwell), 167, 212, 214, 217 and 218	0017A-C	Chrysotile	Chrysotile
12", brown with lighter and darker fleck (VT2)	Rooms 100, 114, 116, 116A, 118B, 122, 202, 208 and 210	0052A-C	None detected	None detected
9", dark grey with white streaks (VT3)	Rooms 114A, 115, Stairwell Landing at 218 and 219	0024A-C	Chrysotile	Chrysotile
12", beige with lighter and darker fleck (VT4)	Basement Men's and Women's Washrooms in Board Offices, Rooms 006, 106, 108, 125, 128, 129, 130, 153A and 165	0053A-C	None detected	None detected
12", beige with burgundy streaks (VT5)	Rooms 101, 103, 104, 105, 105A, 107 and 107A	0028A-C	Chrysotile	None detected
12', tan with burgundy streaks (VT6)	Rooms 101 and 105	0032A-C	None detected	None detected
12", grey and blue with lighter and darker flecks (VT7)	Rooms 001, 004, 005, 118, 160, 160A, 160B, 160C, 160D, 166, 166A, 166B, 166C, 201, 201A, 213, 214 and 220	0040A-C	None detected	None detected

9", brown with white streaks and white with brown streaks, checkered pattern (VT8)	Room 130A	0041A-C	Chrysotile	Chrysotile
12", white with grey and black flecks (VT9)	Rooms 119C, 119D, 124, 126, 127, 129, 203, 204, 205, 206, 207 and 209	0043A-C	None detected	None detected

The vinyl floor tiles and mastic are non-friable and are in good condition.



Asbestos-containing 9" light grey vinyl floor tiles with white streaks and mastic (VT1).



Asbestos-containing 9" dark grey vinyl floor tiles with white streaks and mastic (VT3).



Asbestos-containing 12" beige vinyl floor tiles with burgundy streaks (VT5).



Asbestos-containing 9" vinyl floor tiles brown with white streaks and white with brown streaks and mastic (VT8).



3.1.14 Caulking

The following table presents a summary of caulking present:

Colour, Description	Locations (Quantity of ACM)	Sample Number	Asbestos Type
Brown, soft	Exterior door caulking throughout building	0001A-C	None detected
White, hard	Exterior caulking between joints of stucco finishes on 1959, 1962 and 1966 additions	0003A-C	None detected
White/grey, soft	Exterior window and door caulking of 1962 and 1986 additions	0004A-C	None detected
Brown, soft	Exterior window caulking of 1986 Addition	0005A-C	None detected
Beige, soft	Exterior caulking between joints of acrylic panels on 1962 Addition	0006A-C	None detected
Grey, soft	Exterior caulking between joints of acrylic panels on 1986 Addition	0007A-C	None detected
Grey, soft	Exterior window and door caulking of 1986 Addition (13 windows and 3 doors)	0008A-C	Chrysotile
Black, soft	Five exterior expansion joint caulking of 1947 original building; East Elevation (~150 linear feet)	0009A-C	Chrysotile
White, soft	Exterior window caulking of 1947 original building	0010A-C	None detected
Grey, soft	Exterior window caulking of 1947 original building and 1962 addition (~50 windows)	0013A-C	Chrysotile
Grey, soft	Exterior Glass window cubes of 1947 original building	0014A-C	None detected

Caulking is a non-friable material and in good condition.



Asbestos-containing grey, soft exterior window caulking on the 1986 addition.



Asbestos-containing black, soft exterior expansion joint caulking on the 1947 original building.



Asbestos-containing grey, soft exterior window caulking on the 1947 original building and 1962 addition.

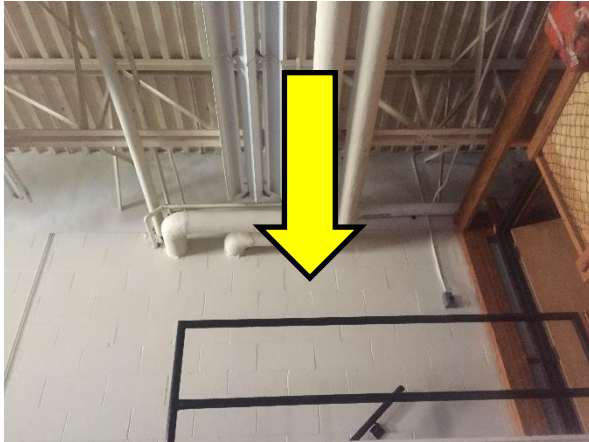
3.1.15 Other Building Materials

Paper heat shields, containing chrysotile asbestos, are present within two exterior incandescent light fixtures at the entrance to Corridor 163 (Samples 0042A-C). Paper heat shields are non-friable and are in good condition.

Insulation in the core of one fire rated door in Room 140 is suspected to contain asbestos. The insulation is typically friable and is in good condition.

A cementitious material, containing chrysotile asbestos, is present underneath paint on concrete block walls throughout the building (S0056A-G). There is approximately 130,000 square feet of floor space with concrete block walls with asbestos-containing cementitious material present in the building. The material

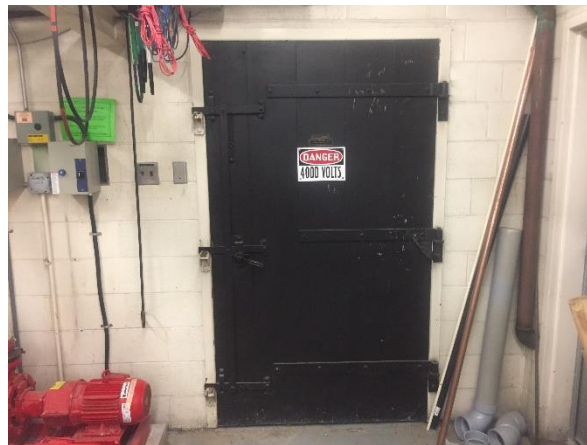
is a non-friable material and is in good condition. Delineation sampling was not performed and should be assumed to be present on all painted concrete block walls until further sampling determines otherwise.



Asbestos-containing beige paint on concrete block walls.



Asbestos-containing paper heat shield present within two exterior incandescent light fixtures at the entrance to Corridor 163.



Suspected asbestos-containing insulation within the core of the fire rated door for room 140.

3.1.16 Presumed Asbestos Materials

The following is a list of materials which may contain asbestos, which were not observed and/or not sampled during the assessment; these materials are presumed to contain asbestos until otherwise proven by sampling and analysis:

- Roofing felts and tar, mastics.
- Roofing caulking and sealants.



- Floor levelling compound.
- Ceramic tile setting compound.
- Elevator and lift brakes.
- Electrical components.
- Moulded plastic components (laboratory bench tops).
- Mechanical packing, ropes and gaskets.
- Materials concealed or outside the assessed area.

4.0 RECOMMENDATIONS

4.1 General

Perform a detailed intrusive assessment prior to building renovation or demolition operations. The assessment should include; destructive testing (i.e. coring and/or removal of building finishes and components), sampling of other hazardous materials (lead, mercury, PCBs, mould, etc.), and materials not tested in this study (i.e. roofing materials, caulking, mastics).

4.2 Remedial Work

The following remedial work is recommended:

Material, Quantity & Condition	Location Name (Location #)	Recommended Procedure
Sweatwrap pipe insulation, 5 SF debris	North end of corridor 162 above plaster ceiling; no access and not reachable, visible from above suspended ceiling tiles in adjacent corridor.	Restrict access until Type 2 asbestos abatement is performed (when required for renovation/demolition/maintenance).

4.3 On-going Management and Maintenance

The following recommendations are made regarding on-going management and maintenance work involving the asbestos materials identified.

Perform a re-assessment of asbestos materials on an annual basis.

Remove asbestos-containing materials (ACM) prior to alteration or maintenance work if ACM may be disturbed by the work. Follow appropriate asbestos precautions for the classification of work being performed.

Update the asbestos inventory report for the building upon completion of any abatement of ACM.



4.3.1.1 Texture Finish, Plaster and Stucco

If texture, plaster, or stucco finishes are to be removed, remove minor amounts (less than 1 square metre (10.8 square feet)) of asbestos-containing texture, plaster or stucco finishes using Type 2 procedures as outlined within Ontario Regulation 278/05. If larger amounts (greater than 1 square metre) are to be removed, use Type 3 procedures as outlined within Ontario Regulation 278/05.

4.3.1.2 Pipe Insulation

If pipe insulation is to be removed, remove minor amounts (less than 1 square metre (10.8 square feet)) of asbestos-containing pipe insulations using Type 2 procedures as outlined within Ontario Regulation 278/05. If larger amounts of pipe insulation (greater than 1 square metre) are to be removed, use Type 3 procedures as outlined within Ontario Regulation 278/05. Alternately use Glove Bag Procedures as outlined within Ontario Regulation 278/05.

If jacketing over asbestos insulation is to be repaired (e.g. canvas and lagging), use Type 2 procedures as outlined within Ontario Regulation 278/05.

4.3.1.3 Duct Insulation

If duct insulation is to be removed, remove minor amounts (less than 1 square metre (10.8 square feet)) of asbestos-containing pipe insulations using Type 2 procedures as outlined within Ontario Regulation 278/05. If larger amounts of duct insulation (greater than 1 square metre) are to be removed, use Type 3 procedures as outlined within Ontario Regulation 278/05.

If jacketing over asbestos insulation is to be repaired (e.g. canvas and lagging), use Type 2 procedures as outlined within Ontario Regulation 278/05.

4.3.1.4 Drywall and Drywall Joint Compound

If drywall is to be disturbed/removed, remove minor amounts (less than 1 square metre (10.8 square feet)) of drywall with asbestos-containing drywall joint compound using Type 1 procedures as outlined within Ontario Regulation 278/05. Use Type 2 procedures for larger amounts (greater than 1 square metre).

4.3.1.5 Asbestos-Cement (Transite) Materials

If asbestos cement (Transite) materials must be removed as a result of planned demolition, renovation, etc. use Type 1 procedures as outlined within Ontario Regulation 278/05 if the work is done using wet methods and using hand-held non-powered tools.



4.3.1.6 Vinyl Floor Tiles

If vinyl floor tiles must be removed as a result of planned demolition, renovation, etc., use Type 1 procedures as outlined within Ontario Regulation 278/05 if the work is done using wet methods and using hand-held non-powered tools.

4.3.1.7 Mastic (Floor Tiles)

Mastic is considered a non-friable material and removal of mastic requires the use of Type 1 asbestos procedures as outlined within Ontario Regulation 278/05 if the work is done using wet methods and using hand-held non-powered tools. If the mastic is to be removed using hand-held non-powered tools, Pinchin recommends that any adhering asbestos-containing mastic be removed to a thin film (considered a trivial amount or surface staining).

4.3.1.8 Caulking

If caulking must be removed as a result of planned demolition, renovation, etc., use Type 1 procedures as outlined within Ontario Regulation 278/05 if the work is done using wet methods and using hand-held non-powered tools.

4.3.1.9 Paper Heat Shields

If the paper heat shields must be removed as a result of planned demolition, renovation, etc., use Type 1 procedures as outlined within Ontario Regulation 278/05 if the work is done using wet methods and using hand-held non-powered tools.

4.3.1.10 Insulation within Core of Fire Rated Door

If the fire rated door must be removed as a result of planned demolition, renovation, etc., use Type 1 procedures as outlined within Ontario Regulation 278/05 if the door is removed and disposed of fully intact. If the insulation is to be removed from the door, follow Type 3 procedures.

4.3.1.11 Cementitious Material Beneath Paint

If the cementitious material present beneath the paint on concrete block walls must be removed as a result of planned renovations, use Type 1 procedures as outlined within Ontario Regulation 278/05 if the work is done using wet methods and using hand-held non-powered tools. If power tools equipped with an effective HEPA filtered dust collection system is used, Type 2 procedures would be required. If power tools without a HEPA filtered dust collection system are used, Type 3 procedures would be required.



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. Ministry of the Environment Regulation, R.R.O. 1990 Reg. 347 as amended.

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HPEDSB,VariousLocations,HAZ,REASMTS\Deliverables\NHHS\2005854.059 AsbestosReassmnt NHSS HPEDSB.docx

Template: Master Report for Asbestos Reassessment, HAZ, February 19, 2020

APPENDIX I
Drawings

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

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

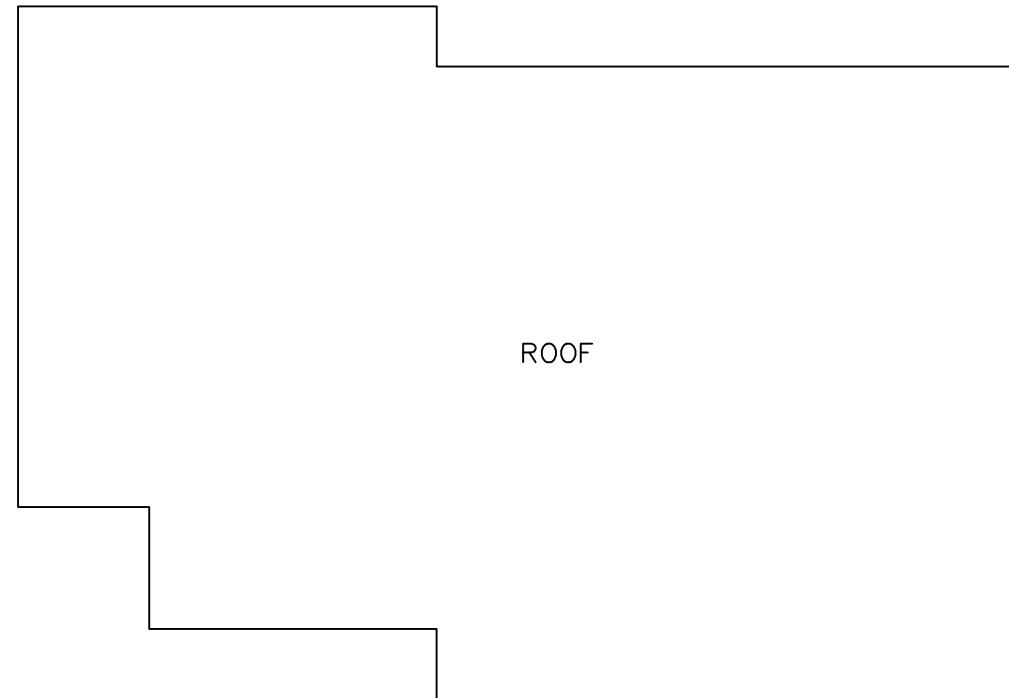
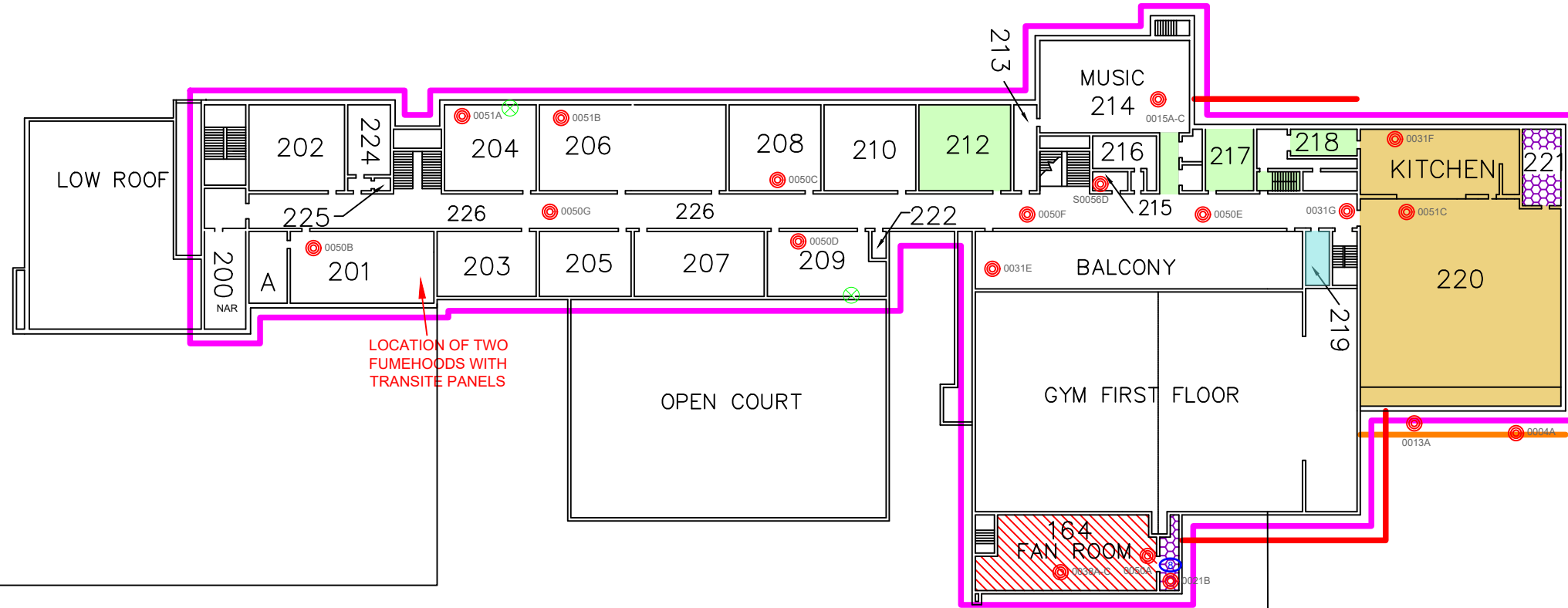
BASE PLAN PROVIDED BY CLIENT.



LEGEND

- ASBESTOS BULK SAMPLE
- INTRUSIVE LOCATION
- NAR NO ACCESS TO ROOM/AREA
- ASBESTOS-CONTAINING MATERIALS:**
- CEILING TEXTURE/STUCCO FINISH
- PIPE INSULATION ON PIPE STRAIGHTS
- QUANTITY OF ASBESTOS-CONTAINING PARGING CEMENT INSULATED FITTINGS
- PARGING ON DUCT INSULATION
- AREA OF BUILDING WITH PLASTER WALLS AND CEILINGS (SMOOTH AND ROUGH)
- AREA OF BUILDING WITH STUCCO WALLS
- AREA OF BUILDING WITH DRYWALL JOINT COMPOUND ON WALLS AND CEILINGS
- VINYL FLOOR TILES
- VINYL FLOOR TILES & MASTIC
- BLACK EXPANSION JOINT CAULKING
- WINDOW AND DOOR CAULKING
- SUSPECTED ASBESTOS-CONTAINING PIPE INSULATION WITHIN PIPE CHASE/ABOVE SOLID CEILING

NOTE: A CEMENTITIOUS MATERIAL, CONTAINING CHRYSOTILE ASBESTOS, IS PRESENT UNDERNEATH PAINT ON CONCRETE BLOCK WALLS THROUGHOUT THE BUILDING



PROJECT NAME:
ASBESTOS REASSESSMENT

CLIENT NAME:
HASTINGS AND PRINCE EDWARD DISTRICT SCHOOL BOARD

PROJECT LOCATION:
NORTH HASTINGS HIGH SCHOOL
14 MONCK STREET
BANCROFT, ONTARIO

FIGURE NAME:
SECOND FLOOR

PROJECT NUMBER:
200584.059

SCALE:
NOT TO SCALE

DRAWN BY:
NC

REVIEWED BY:
SY

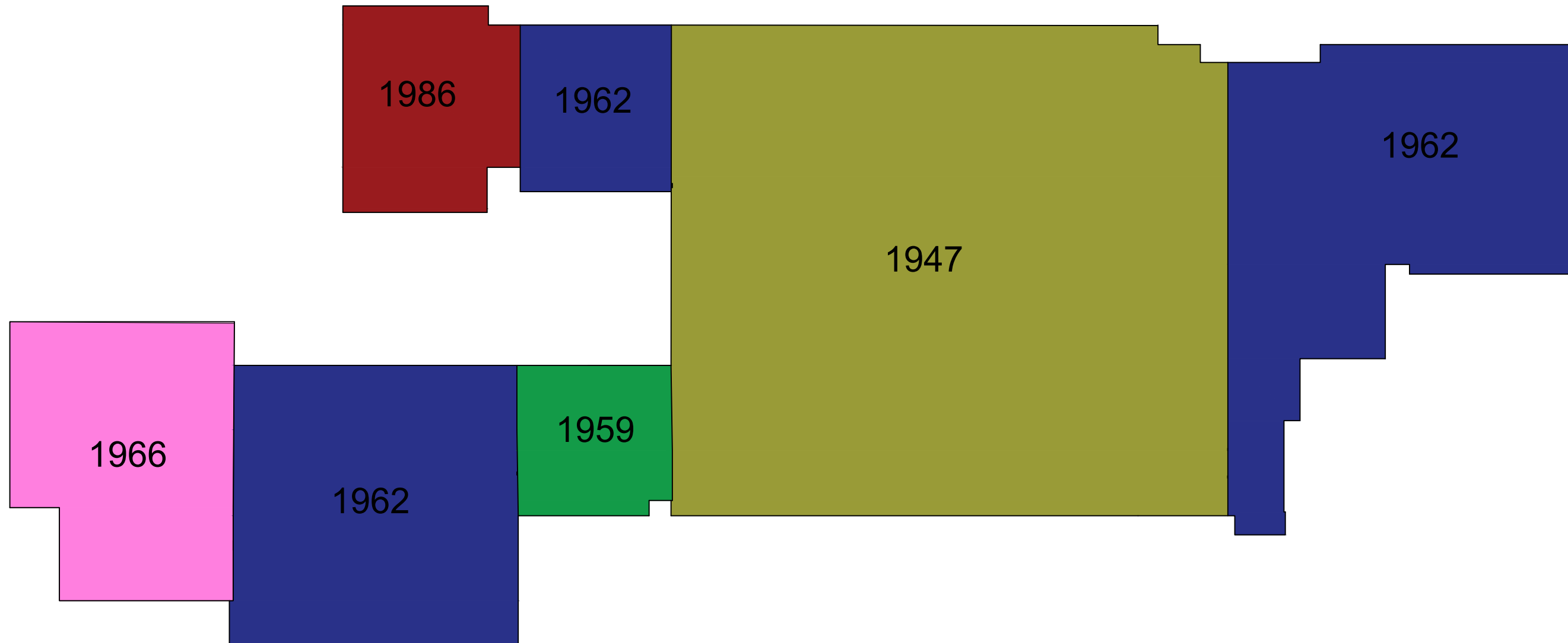
DATE:
JULY 2020

FIGURE NUMBER:
3 OF 3



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

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

BASE PLAN PROVIDED BY CLIENT.



LEGEND

-  ASBESTOS BULK SAMPLE
-  INTRUSIVE LOCATION
- NAR NO ACCESS TO ROOM/AREA
- ASBESTOS-CONTAINING MATERIALS:**
-  CEILING TEXTURE/STUCCO FINISH
-  PIPE INSULATION ON PIPE STRAIGHTS
-  QUANTITY OF ASBESTOS-CONTAINING PARGING CEMENT INSULATED FITTINGS
-  PARGING ON DUCT INSULATION
-  AREA OF BUILDING WITH PLASTER WALLS AND CEILINGS (SMOOTH AND ROUGH)
-  AREA OF BUILDING WITH STUCCO WALLS
-  AREA OF BUILDING WITH DRYWALL JOINT COMPOUND ON WALLS AND CEILINGS
-  VINYL FLOOR TILES
-  VINYL FLOOR TILES & MASTIC
-  BLACK EXPANSION JOINT CAULKING
-  WINDOW AND DOOR CAULKING
-  SUSPECTED ASBESTOS-CONTAINING PIPE INSULATION WITHIN PIPE CHASE/ABOVE SOLID CEILING

NOTE: A CEMENTITIOUS MATERIAL, CONTAINING CHRYSOTILE ASBESTOS, IS PRESENT UNDERNEATH PAINT ON CONCRETE BLOCK WALLS THROUGHOUT THE BUILDING



PROJECT NAME:
ASBESTOS REASSESSMENT

CLIENT NAME:
HASTINGS AND PRINCE EDWARD DISTRICT SCHOOL BOARD

PROJECT LOCATION:
NORTH HASTINGS HIGH SCHOOL
14 MONCK STREET
BANCROFT, ONTARIO

FIGURE NAME:
ADDITION SITE PLAN

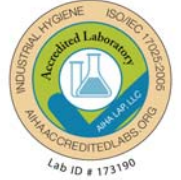
PROJECT NUMBER: 200584.059	SCALE: NOT TO SCALE
DRAWN BY: NC	REVIEWED BY: SY
DATE: JULY 2020	FIGURE NUMBER: 1 OF 3

APPENDIX II
Asbestos Analytical Certificates



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

Attn: Sarah Young

Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0001A	Exterior Brown Soft Door Caulking, West Door, 1959 Addition	None Detected		100% Other	Brown Non Fibrous Homogeneous
1717266PLM_1					Ashed, Dissolved
0001B	Exterior Brown Soft Door Caulking, North Door, 1966 Addition	None Detected		100% Other	Brown Non Fibrous Homogeneous
1717266PLM_2					Ashed, Dissolved
0001C	Exterior Brown Soft Door Caulking, North Door, 1947 Addition	None Detected		100% Other	Brown Non Fibrous Homogeneous
1717266PLM_3					Ashed, Dissolved
0002A - A	Exterior Stucco, West Elevation, 1962 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_4	finish				Dissolved
0002A - B	Exterior Stucco, West Elevation, 1962 Addition	2% Chrysotile		98% Other	Gray Non Fibrous Homogeneous
1717266PLM_197	base				Dissolved
0002B - A	Exterior Stucco, East Elevation, 1962 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_5	finish				Dissolved
0002B - B	Exterior Stucco, East Elevation, 1962 Addition	Not Analyzed			
1717266PLM_198	base				
0002C - A	Exterior Stucco, North Elevation, 1962 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_6	finish				Dissolved

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Philip Szabo (136)
Byron Stroble (146)

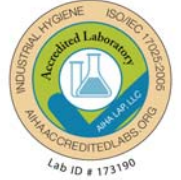
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

Attn: Sarah Young

Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0002C - B	Exterior Stucco, North Elevation, 1962 Addition	Not Analyzed			
1717266PLM_199	base				
0002D - A	Exterior Stucco, North Elevation, 1966 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_7	finish				Dissolved
0002D - B	Exterior Stucco, North Elevation, 1966 Addition	Not Analyzed			
1717266PLM_200	base				
0002E - A	Exterior Stucco, West Elevation, 1966 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_8	finish				Dissolved
0002E - B	Exterior Stucco, West Elevation, 1966 Addition	Not Analyzed			
1717266PLM_201	base				
0002F - A	Exterior Stucco, East Elevation, 1966 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_9	finish				Dissolved
0002F - B	Exterior Stucco, East Elevation, 1966 Addition	Not Analyzed			
1717266PLM_202	base				
0002G - A	Exterior Stucco, East Elevation, 1962 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_10	finish				Dissolved

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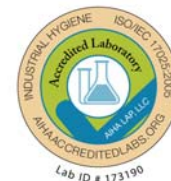
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Bulk Asbestos Analysis

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0002G - B	Exterior Stucco, East Elevation, 1962 Addition	Not Analyzed			
1717266PLM_203	base				
0003A	Exterior White Firm Caulking Between Joints of Stucco, West Elevation, 1962 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_11					Ashed, Dissolved
0003B	Exterior White Firm Caulking Between Joints of Stucco, West Elevation, 1962 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_12					Ashed, Dissolved
0003C	Exterior White Firm Caulking Between Joints of Stucco, West Elevation, 1966 Addition	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_13					Ashed, Dissolved
0004A	Exterior White/Grey Soft Caulking, Window and Doors, West Elevation, 1962 Addition	None Detected		100% Other	White, Gray Non Fibrous Homogeneous
1717266PLM_14					Ashed, Dissolved
0004B	Exterior White/Grey Soft Caulking, Window and Doors, East Elevation, 1962 Addition	None Detected		100% Other	White, Gray Non Fibrous Homogeneous
1717266PLM_15					Ashed, Dissolved
0004C	Exterior White/Grey Soft Caulking, Window and Doors, East Elevation, 1956 Addition	None Detected		100% Other	White, Gray Non Fibrous Homogeneous
1717266PLM_16					Ashed, Dissolved
0005A	Exterior Soft Brown Window Caulking, West Elevation, 1956 Addition	None Detected		100% Other	Brown Non Fibrous Homogeneous
1717266PLM_17					Ashed, Dissolved

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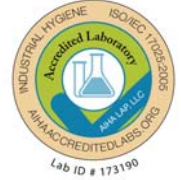
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0005B	Exterior Soft Brown Window Caulking, East Elevation, 1962 Addition	None Detected		100% Other	Brown Non Fibrous Homogeneous
1717266PLM_18					Ashed, Dissolved
0005C	Exterior Soft Brown Window Caulking, East Elevation, 1962 Addition	None Detected		100% Other	Brown Non Fibrous Homogeneous
1717266PLM_19					Ashed, Dissolved
0006A	Exterior Soft Beige Caulking Between Joints of Acrylic Panels, East Elevation, 1962 A	None Detected		100% Other	Tan Non Fibrous Homogeneous
1717266PLM_20					Ashed, Dissolved
0006B	Exterior Soft Beige Caulking Between Joints of Acrylic Panels, East Elevation, 1962 A	None Detected		100% Other	Tan Non Fibrous Homogeneous
1717266PLM_21					Ashed, Dissolved
0006C	Exterior Soft Beige Caulking Between Joints of Acrylic Panels, East Elevation, 1962 A	None Detected		100% Other	Tan Non Fibrous Homogeneous
1717266PLM_22					Ashed, Dissolved
0007A	Exterior Soft Grey Caulking Between Joints of Acrylic Panels, South Elevation, 1956	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_23					Ashed, Dissolved
0007B	Exterior Soft Grey Caulking Between Joints of Acrylic Panels, North Elevation, 1956	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_24					Ashed, Dissolved
0007C	Exterior Soft Grey Caulking Between Joints of Acrylic Panels, East Elevation, 1956 A	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_25					Ashed, Dissolved

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Byron Stroble (146)

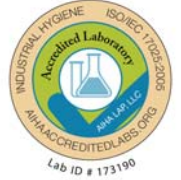
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0008A	Exterior Soft Grey Window and Door Caulking, South Elevation, 1956 Addition	2% Chrysotile		98% Other	Gray Non Fibrous Homogeneous
1717266PLM_26					Ashed, Dissolved
0008B	Exterior Soft Grey Window and Door Caulking, West Elevation, 1956 Addition	Not Analyzed			
1717266PLM_27					
0008C	Exterior Soft Grey Window and Door Caulking, East Elevation, 1956 Addition	Not Analyzed			
1717266PLM_28					
0009A	Exterior Soft Black Expansion Joint Caulking, East Elevation, 1947 Building	4% Chrysotile		96% Other	Black Non Fibrous Homogeneous
1717266PLM_29					Ashed, Dissolved
0009B	Exterior Soft Black Expansion Joint Caulking, East Elevation, 1947 Building	Not Analyzed			
1717266PLM_30					
0009C	Exterior Soft Black Expansion Joint Caulking, East Elevation, 1947 Building	Not Analyzed			
1717266PLM_31					
0010A	Exterior Soft White Window Caulking, East Elevation, 1947 Building	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_32					Ashed, Dissolved
0010B	Exterior Soft White Window Caulking, East Elevation, 1947 Building	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_33					Ashed, Dissolved

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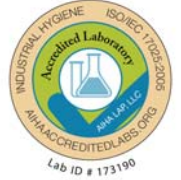
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Bulk Asbestos Analysis

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0010C	Exterior Soft White Window Caulking, East Elevation, 1947 Building	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_34					Ashed, Dissolved
0011A	Exterior Grey Stucco, East Elevation, 1947 Building	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_35					Dissolved
0011B	Exterior Grey Stucco, East Elevation, 1947 Building	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_36					Dissolved
0011C	Exterior Grey Stucco, West Elevation, 1947 Building	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_37					Dissolved
0012A - A	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition	3% Chrysotile		97% Other	White Non Fibrous Homogeneous
1717266PLM_38	finish				Dissolved
0012A - B	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_204	base				Dissolved
0012B - A	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition	Not Analyzed			
1717266PLM_39	finish				
0012B - B	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_205	base				Dissolved

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Philip Szabo (136)
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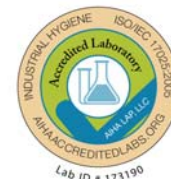
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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

Attn: Sarah Young

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Date Reported: 8/16/2017
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Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0012C - A	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition	Not Analyzed			
1717266PLM_40	finish				
0012C - B	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_206	base				Dissolved
0013A	Exterior Soft Grey Window Caulking, West Elevation, 1962 Addition	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_41					Ashed, Dissolved
0013B	Exterior Soft Grey Window Caulking, South Elevation, 1962 Addition	4% Chrysotile		96% Other	Gray Non Fibrous Homogeneous
1717266PLM_42					Ashed, Dissolved
0013C	Exterior Soft Grey Window Caulking, West Elevation, 1947 Building	Not Analyzed			
1717266PLM_43					
0014A	Exterior Soft Grey Caulking at Glass Window Cubes, West Elevation, 1947 Building	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_44					Ashed, Dissolved
0014B	Exterior Soft Grey Caulking at Glass Window Cubes, West Elevation, 1947 Building	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_45					Ashed, Dissolved
0014C	Exterior Soft Grey Caulking at Glass Window Cubes, West Elevation, 1947 Building	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_46					Ashed, Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0015A	AT14 - 2'x4' Lay-in Ceiling Tiles with Lenthwise Fissures and Pinholes, Room 214	None Detected	45% Mineral Wool 35% Cellulose	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_47					Ashed, Dissolved
0015B	AT14 - 2'x4' Lay-in Ceiling Tiles with Lenthwise Fissures and Pinholes, Room 215	None Detected	45% Mineral Wool 35% Cellulose	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_48					Ashed, Dissolved
0015C	AT14 - 2'x4' Lay-in Ceiling Tiles with Lenthwise Fissures and Pinholes, Room 216	None Detected	45% Mineral Wool 35% Cellulose	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_49					Ashed, Dissolved
0016A - A	Plaster Ceiling, 1959 Addition, Corridor 145	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_50	finish				Dissolved
0016A - B	Plaster Ceiling, 1959 Addition, Corridor 145	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_207	base				Dissolved
0016B - A	Plaster Wall, 1959 Addition, Room 138	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_51	finish				Dissolved
0016B - B	Plaster Wall, 1959 Addition, Room 138	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_208	base				Dissolved
0016C - A	Plaster Ceiling, 1959 Addition, Room 137	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_52	finish				Dissolved

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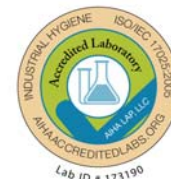
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Bulk Asbestos Analysis

By Polarized Light Microscopy
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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0016C - B	Plaster Ceiling, 1959 Addition, Room 137	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_209	base				Dissolved
0016D - A	Plaster Wall, 1959 Addition, Room 108	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_53	finish				Dissolved
0016D - B	Plaster Wall, 1959 Addition, Room 108	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_210	base - small sample				Dissolved
0016E - A	Plaster Wall, 1959 Addition, Corridor 145	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_54	finish				Dissolved
0016E - B	Plaster Wall, 1959 Addition, Corridor 145	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_211	base				Dissolved
0016F - A	Plaster Wall, 1959 Addition, Room 140	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_55	finish				Dissolved
0016F - B	Plaster Wall, 1959 Addition, Room 140	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_212	bas				Dissolved
0016G - A	Plaster Wall, 1959 Addition, Room 136	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_56	finish				Dissolved

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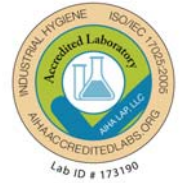
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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0016G - B	Plaster Wall, 1959 Addition, Room 136	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_213	base				Dissolved
0017A - A	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 138	8% Chrysotile		92% Other	Gray Non Fibrous Homogeneous
1717266PLM_57	tile				Dissolved
0017A - B	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 138	2% Chrysotile		98% Other	Black Non Fibrous Homogeneous
1717266PLM_214	mastic				Dissolved
0017B - A	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 102	Not Analyzed			
1717266PLM_58	tile				
0017B - B	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 102	Not Analyzed			
1717266PLM_215	mastic				
0017C - A	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 157A	Not Analyzed			
1717266PLM_59	tile				
0017C - B	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 157A	Not Analyzed			
1717266PLM_216	mastic				
0018A - A	Sweatwrap Pipe Insulation, Corridor 145	None Detected	90% Cellulose	10% Other	Tan Fibrous Homogeneous
1717266PLM_60	paper				Ashed, Dissolved

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Philip Szabo (136)
Byron Stroble (146)

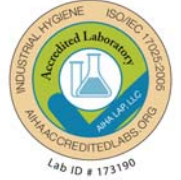
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

Attn: Sarah Young

Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0018A - B	Sweatwrap Pipe Insulation, Corridor 145	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
1717266PLM_217	felt				Ashed, Dissolved
0018B - A	Sweatwrap Pipe Insulation, Corridor 145	15% Chrysotile	75% Cellulose	10% Other	Tan Fibrous Homogeneous
1717266PLM_61	paper				Ashed, Dissolved
0018B - B	Sweatwrap Pipe Insulation, Corridor 145	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
1717266PLM_218	felt				Ashed, Dissolved
0018C - A	Sweatwrap Pipe Insulation, Vestibule 163	Not Analyzed			
1717266PLM_62	paper				
0018C - B	Sweatwrap Pipe Insulation, Vestibule 163	None Detected	70% Cellulose	30% Other	Black Fibrous Homogeneous
1717266PLM_219	felt				Ashed, Dissolved
0019A	Parging Cement Pipe Insulation, Room 109	75% Chrysotile		25% Other	Gray Fibrous Homogeneous
1717266PLM_63	wrap inseparable				Teased, Dissolved
0019B	Parging Cement Pipe Insulation, Room 140	Not Analyzed			
1717266PLM_64					
0019C	Parging Cement Pipe Insulation, Corridor 145	Not Analyzed			
1717266PLM_65					

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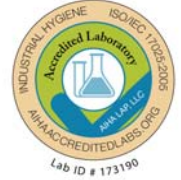
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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0020A - A	Textured Wall Finish, Room 109	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_66	finish				Dissolved
0020A - B	Textured Wall Finish, Room 109	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_220	base				Dissolved
0020B	Textured Wall Finish, Room 115	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_67	single layer only				Dissolved
0020C	Textured Wall Finish, Room 115	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_68	single layer only				Dissolved
0020D	Textured Wall Finish, Room 142	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_69	single layer only				Dissolved
0020E	Textured Wall Finish, Room 143	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_70	single layer only				Dissolved
0021A	Aircell Pipe Insulation, Corridor 144	70% Chrysotile		30% Other	White Fibrous Homogeneous
1717266PLM_71					Teased, Dissolved
0021B	Aircell Pipe Insulation, 2nd Floor Fan Room	Not Analyzed			
1717266PLM_72					

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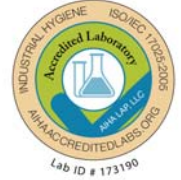
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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0021C	Aircell Pipe Insulation, Vestibule 163	Not Analyzed			
1717266PLM_73					
0022A	Drywall Joint Compound, 1966 Additions, Corridor 144	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_74					Dissolved
0022B	Drywall Joint Compound, 1966 Additions, Room 116	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_75					Dissolved
0022C	Drywall Joint Compound, 1966 Additions, Room 113	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_76					Dissolved
0022D	Drywall Joint Compound, 1966 Additions, Corridor 162	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_77					Dissolved
0020E	Drywall Joint Compound, 1966 Additions, Room 130	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_78					Dissolved
0023A - A	Plaster Wall, 1962 Addition, Corridor 144	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_79	finish				Dissolved
0023A - B	Plaster Wall, 1962 Addition, Corridor 144	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_221	base				Dissolved

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Bulk Asbestos Analysis

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0023B - A	Plaster Wall, 1962 Addition, Corridor 144	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_80	finish				Dissolved
0023B - B	Plaster Wall, 1962 Addition, Corridor 144	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_222	base				Dissolved
0023C - A	Plaster Wall, 1962 Addition, Corridor 144	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_81	finish				Dissolved
0023C - B	Plaster Wall, 1962 Addition, Corridor 144	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_223	base				Dissolved
0023D - A	Plaster Ceiling, 1962 Addition, Storage Room 160S	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_82	finish				Dissolved
0023D - B	Plaster Ceiling, 1962 Addition, Storage Room 160S	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_224	base				Dissolved
0023E - A	Plaster Ceiling, 1962 Addition, Hallway 122H	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_83	finish				Dissolved
0023E - B	Plaster Ceiling, 1962 Addition, Hallway 122H	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_225	base				Dissolved

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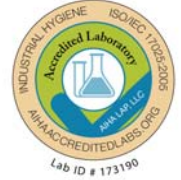
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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0024A - A	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 114A	2% Chrysotile		98% Other	Gray Non Fibrous Homogeneous
1717266PLM_84	tile				Dissolved
0024A - B	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 114A	5% Chrysotile		95% Other	Black Non Fibrous Homogeneous
1717266PLM_226	mastic				Dissolved
0024B - A	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 115	Not Analyzed			
1717266PLM_85	tile				
0024B - B	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 115	Not Analyzed			
1717266PLM_227	mastic				
0024C - A	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 160S	Not Analyzed			
1717266PLM_86	tile				
0024C - B	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 160S	Not Analyzed			
1717266PLM_228	mastic				
0025A	AT4 - 2x4 Lay-in Ceiling Tiles with Small Widthwise Fissures and Few Defined Pinholes, Co	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_87					Ashed, Dissolved
0025B	AT4 - 2x4 Lay-in Ceiling Tiles with Small Widthwise Fissures and Few Defined Pinholes, Ro	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_88					Ashed, Dissolved

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Philip Szabo (136)
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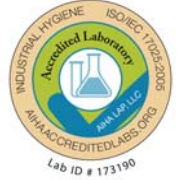
Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

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Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
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Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0025C	AT4 - 2x4 Lay-in Ceiling Tiles with Small Widthwise Fissures and Few Defined Pinholes, Ro	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_89					Ashed, Dissolved
0026A	AT5 - 2x4 Lay-in Ceiling Tiles with 'S' Shaped Fissures and Pinholes, Corridor 144 at Exit	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_90					Ashed, Dissolved
0026B	AT5 - 2x4 Lay-in Ceiling Tiles with 'S' Shaped Fissures and Pinholes, Corridor 144 at Exit	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_91					Ashed, Dissolved
0026C	AT5 - 2x4 Lay-in Ceiling Tiles with 'S' Shaped Fissures and Pinholes, Corridor 144 at Exit	None Detected	45% Cellulose 35% Mineral Wool	10% Perlite 10% Other	White Fibrous Homogeneous
1717266PLM_92					Ashed, Dissolved
0027A - A	Plaster Wall, 1966 Addition, Vestibule at Corridor 144	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_93	finish				Dissolved
0027A - B	Plaster Wall, 1966 Addition, Vestibule at Corridor 144	None Detected		85% Other 15% Vermiculite	Gray Non Fibrous Homogeneous
1717266PLM_229	base				Dissolved
0027B - A	Plaster Ceiling, 1966 Addition, Corridor 162	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_94	finish				Dissolved
0027B - B	Plaster Ceiling, 1966 Addition, Corridor 162	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_230	base				Dissolved

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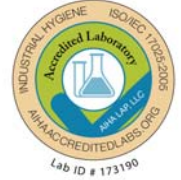
Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0027C - A	Plaster Wall, 1966 Addition, Vestibule at Corridor 144	None Detected		100% Other	White Non Fibrous Homogeneous
1717266PLM_95	finish				Dissolved
0027C - B	Plaster Wall, 1966 Addition, Vestibule at Corridor 144	None Detected		100% Other	Gray Non Fibrous Homogeneous
1717266PLM_231	base				Dissolved
0028A - A	VT5 - 12" Beige with Burgandy Streaks, Room 107	2% Chrysotile		98% Other	Beige Non Fibrous Homogeneous
1717266PLM_96	tile				Dissolved
0028A - B	VT5 - 12" Beige with Burgandy Streaks, Room 107	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1717266PLM_232	mastic				Dissolved
0028B - A	VT5 - 12" Beige with Burgandy Streaks, Room 105	Not Analyzed			
1717266PLM_97	tile				
0028B - B	VT5 - 12" Beige with Burgandy Streaks, Room 105	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1717266PLM_233	mixed mastic				Dissolved
0028C - A	VT5 - 12" Beige with Burgandy Streaks, Room 105	Not Analyzed			
1717266PLM_98	tile				
0028C - B	VT5 - 12" Beige with Burgandy Streaks, Room 105	None Detected		100% Other	Black, Yellow Non Fibrous Homogeneous
1717266PLM_234	mixed mastic				Dissolved

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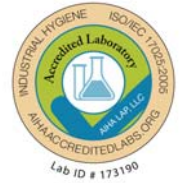
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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0029A - A	Smooth Plaster, 1947 Original Building, Corridor 145	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_99	finish				Crushed
0029A - B	Smooth Plaster, 1947 Original Building, Corridor 145	0.8% Libby Amphibole		69.2% Other 30% Vermiculite	Gray Non Fibrous Heterogeneous
1717266PLM_235	base				Crushed
0029B - A	Smooth Plaster, 1947 Original Building, Corridor 145	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_100	finish				Teased
0029B - B	Smooth Plaster, 1947 Original Building, Corridor 145	Not Analyzed			
1717266PLM_236	base				
0029C - A	Smooth Plaster, 1947 Original Building, Corridor 145	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_101	finish				Teased
0029C - B	Smooth Plaster, 1947 Original Building, Corridor 145	Not Analyzed			
1717266PLM_237	base				
0029D - A	Smooth Plaster, 1947 Original Building, Room 132	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_102	finish				Teased
0029D - B	Smooth Plaster, 1947 Original Building, Room 132	Not Analyzed			
1717266PLM_238	base				

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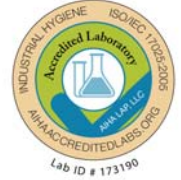
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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0029E - A	Smooth Plaster, 1947 Original Building, Gym Storage	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_103	finish				Teased
0029E - B	Smooth Plaster, 1947 Original Building, Gym Storage	Not Analyzed			
1717266PLM_239	base				
0029F - A	Smooth Plaster, 1947 Original Building, Corridor 119	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_104	finish				Teased
0029F - B	Smooth Plaster, 1947 Original Building, Corridor 119	Not Analyzed			
1717266PLM_240	base				
0029G - A	Smooth Plaster, 1947 Original Building, Corridor 118B	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_105	finish				Teased
0029G - B	Smooth Plaster, 1947 Original Building, Corridor 118B	Not Analyzed			
1717266PLM_241	base				
0030A	AT8 - 1'x1' Glued-on Ceiling tiles with Smooth Surface, Wood Fibre Composition, Roo	None Detected	90% Cellulose	10% Other	Brown, White Fibrous Heterogeneous
1717266PLM_106					Teased
0030B	AT8 - 1'x1' Glued-on Ceiling tiles with Smooth Surface, Wood Fibre Composition, Roo	None Detected	90% Cellulose	10% Other	Brown, White Fibrous Heterogeneous
1717266PLM_107					Teased

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

Attn: Sarah Young

Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0030C	AT8 - 1'x1' Glued-on Ceiling tiles with Smooth Surface, Wood Fibre Composition, Roo	None Detected	90% Cellulose	10% Other	Brown, White Fibrous Heterogeneous
1717266PLM_108					Teased
0031A - A	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor 145	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1717266PLM_109	surfacing				Teased
0031A - B	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor 145	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_242	finish				Teased
0031A - C	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor 145	0.8% Libby Amphibole		69.2% Other 30% Vermiculite	Gray Non Fibrous Heterogeneous
1717266PLM_243	base				Crushed
0031B - A	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor 146	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1717266PLM_110	surfacing				Teased
0031B - B	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor 146	Not Analyzed			
1717266PLM_245	base				
0031C - A	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor Gym	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_111	finish				Teased
0031C - B	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor Gym	Not Analyzed			
1717266PLM_247	base				

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Philip Szabo (136)
Byron Stroble (146)

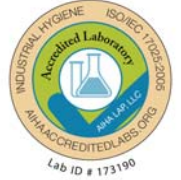
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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0031D - A	Rough Plaster (1/2 Walls), 1947 Original Building, Stairwell at Corridor 162	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_112	finish				Teased
0031D - B	Rough Plaster (1/2 Walls), 1947 Original Building, Stairwell at Corridor 162	Not Analyzed			
1717266PLM_248	base				
0031E - A	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Balcony	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1717266PLM_113	surfacing				Teased
0031E - B	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Balcony	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_249	finish				Teased
0031E - C	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Balcony	Not Analyzed			
1717266PLM_250	base				
0031F - A	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Kitchen	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_114	finish				Teased
0031F - B	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Kitchen	Not Analyzed			
1717266PLM_251	base				
0031G - A	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Corridor	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_283	finish - not on coc				Teased

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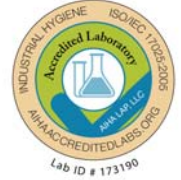
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Lab Sample ID	Lab Notes				Treatment
0031G - B	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Corridor	Not Analyzed			
1717266PLM_284	base - not on coc				
0032A - A	VT6 - 12" Tan with Burgandy Streaks, Room 105	None Detected		100% Other	Tan Non Fibrous Heterogeneous
1717266PLM_115	floor tile				Dissolved
0032A - B	VT6 - 12" Tan with Burgandy Streaks, Room 105	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_252	mastic				Dissolved
0032B - A	VT6 - 12" Tan with Burgandy Streaks, Room 105	None Detected		100% Other	Tan Non Fibrous Heterogeneous
1717266PLM_116	floor tile				Dissolved
0032B - B	VT6 - 12" Tan with Burgandy Streaks, Room 105	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_253	mastic				Dissolved
0032C - A	VT6 - 12" Tan with Burgandy Streaks, Room 105	None Detected		100% Other	Tan Non Fibrous Heterogeneous
1717266PLM_117	floor tile - ashed				Ashed
0032C - B	VT6 - 12" Tan with Burgandy Streaks, Room 105	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_254	mastic				Dissolved
0033A	Black Mastic, Ceiling Tile Adhesive, Room 101	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_118					Dissolved

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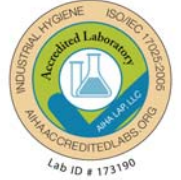
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Lab Sample ID	Lab Notes				Treatment
0033B	Black Mastic, Ceiling Tile Adhesive, Room 101	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_119					Dissolved
0033C	Black Mastic, Ceiling Tile Adhesive, Room 101	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_120					Dissolved
0034A	Drywall Joint Compound, 1947 Original Building, Room 133	3% Chrysotile		97% Other	Beige Non Fibrous Heterogeneous
1717266PLM_121					Teased
0034B	Drywall Joint Compound, 1947 Original Building, Room 156 Shower	Not Analyzed			
1717266PLM_122					
0034C	Drywall Joint Compound, 1947 Original Building, Room 166	Not Analyzed			
1717266PLM_123					
0034D	Drywall Joint Compound, 1947 Original Building, Room 126	Not Analyzed			
1717266PLM_124					
0034E	Drywall Joint Compound, 1947 Original Building, Room 148	Not Analyzed			
1717266PLM_125					
0035A	AT11 - 2x4 Lay-in Ceiling Tiles with Small Fissures and Large Pinholes, Room 101	None Detected	40% Cellulose 40% Fiber Glass 10% Wollastonite	10% Other	Beige Fibrous Heterogeneous
1717266PLM_126					Teased, Ashed

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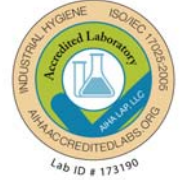
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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0035B	AT11 - 2x4 Lay-in Ceiling Tiles with Small Fissures and Large Pinholes, Room 130	None Detected	40% Cellulose 40% Mineral Wool 10% Wollastonite	10% Other	Beige Fibrous Heterogeneous
1717266PLM_127					Teased, Ashed
0035C	AT11 - 2x4 Lay-in Ceiling Tiles with Small Fissures and Large Pinholes, Room 130	None Detected	40% Cellulose 40% Mineral Wool 10% Wollastonite	10% Other	Beige Fibrous Heterogeneous
1717266PLM_128					Teased, Ashed
0036A	Drywall Joint Compound, 1962 Addition, Room 131	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_129					Teased
0036B	Drywall Joint Compound, 1962 Addition, Room 100	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_130					Teased
0036C	Drywall Joint Compound, 1962 Addition, Room 131	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_131					Teased
0037A	Fibrous Sprayed Fireproofing, Gym	None Detected	90% Cellulose	10% Other	White Fibrous Heterogeneous
1717266PLM_132					Teased
0037B	Fibrous Sprayed Fireproofing, Gym	None Detected	90% Cellulose	10% Other	White Fibrous Heterogeneous
1717266PLM_133					Teased
0037C	Fibrous Sprayed Fireproofing, Gym	None Detected	90% Cellulose	10% Other	White Fibrous Heterogeneous
1717266PLM_134					Teased

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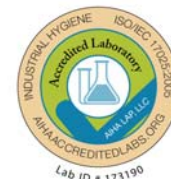
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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0037D	Fibrous Sprayed Fireproofing, Gym	None Detected	90% Cellulose	10% Other	White Fibrous Heterogeneous
1717266PLM_135					Teased
0037E	Fibrous Sprayed Fireproofing, Gym	None Detected	90% Cellulose	10% Other	White Fibrous Heterogeneous
1717266PLM_136					Teased
0038A	Parging Cement Duct Insulation, 2nd Floor Fan Room 164	60% Chrysotile		40% Other	Gray Fibrous Heterogeneous
1717266PLM_137					Teased
0038B	Parging Cement Duct Insulation, 2nd Floor Fan Room 164	Not Analyzed			
1717266PLM_138					
0038C	Parging Cement Duct Insulation, 2nd Floor Fan Room 164	Not Analyzed			
1717266PLM_139					
0039A - A	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room	None Detected	90% Cellulose	10% Other	Gray Fibrous Heterogeneous
1717266PLM_140	vinyl				Teased
0039A - B	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1717266PLM_255	mastic				Dissolved
0039B - A	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room	None Detected	90% Cellulose	10% Other	Gray Fibrous Heterogeneous
1717266PLM_141	vinyl				Teased

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Lab Sample ID	Lab Notes				Treatment
0039B - B	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1717266PLM_256	mastic				Dissolved
0039C - A	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room	None Detected	90% Cellulose	10% Other	Gray Fibrous Heterogeneous
1717266PLM_142	vinyl				Teased
0039C - B	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1717266PLM_257	mastic				Dissolved
0040A - A	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 106	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1717266PLM_143	floor tile				Dissolved
0040A - B	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 106	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1717266PLM_258	mastic				Dissolved
0040B - A	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 160	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1717266PLM_144	floor tile				Dissolved
0040B - B	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 160	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_259	mastic				Dissolved
0040C - A	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 118	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1717266PLM_145	floor tile - ashed				Ashed

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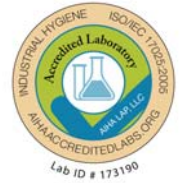
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0040C - B	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 118	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_260	mastic				Dissolved
0041A - A	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, R	6% Chrysotile		94% Other	Brown Non Fibrous Heterogeneous
1717266PLM_146	floor tile				Dissolved
0041A - B	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, R	8% Chrysotile		92% Other	Black Non Fibrous Heterogeneous
1717266PLM_261	mastic				Dissolved
0041B - A	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, R	Not Analyzed			
1717266PLM_147	floor tile				
0041B - B	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, R	Not Analyzed			
1717266PLM_262	mastic				
0041C - A	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, R	Not Analyzed			
1717266PLM_148	floor tile				
0041C - B	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, R	Not Analyzed			
1717266PLM_263	mastic				
0042A	Light Heat Shield, Exterior Entrance at Corridor 163	40% Chrysotile	40% Cellulose	20% Other	White Fibrous Heterogeneous
1717266PLM_149					Teased

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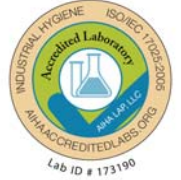
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Lab Sample ID	Lab Notes				Treatment
0042B	Light Heat Shield, Exterior Entrance at Corridor 163	Not Analyzed			
1717266PLM_150					
0042C	Light Heat Shield, Exterior Entrance at Corridor 163	Not Analyzed			
1717266PLM_151					
0043A - A	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 129	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_152	floor tile				Dissolved
0043A - B	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 129	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_264	mastic				Dissolved
0043B - A	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 127	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_153	floor tile				Dissolved
0043B - B	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 127	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_265	mastic				Dissolved
0043C - A	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 124	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_154	floor tile - ashed				Ashed
0043C - B	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 124	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_266	mastic				Dissolved

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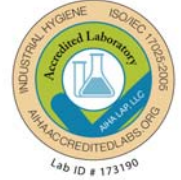
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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0044A - A	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 124	None Detected	90% Cellulose	10% Other	White, Beige Fibrous Heterogeneous
1717266PLM_155	vinyl				Teased
0044A - B	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1717266PLM_267	mastic				Dissolved
0044B - A	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom	None Detected	90% Cellulose	10% Other	White, Beige Fibrous Heterogeneous
1717266PLM_156	vinyl				Teased
0044B - B	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1717266PLM_268	mastic				Dissolved
0044C - A	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom	None Detected	90% Cellulose	10% Other	White, Beige Fibrous Heterogeneous
1717266PLM_157	vinyl				Teased
0044C - B	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1717266PLM_269	mastic				Dissolved
0045A	Textured Ceiling Finish, Room 118B	8% Chrysotile	12% Cellulose	80% Other	White Non Fibrous Heterogeneous
1717266PLM_158					Teased
0045B	Textured Ceiling Finish, Room 118B	Not Analyzed			
1717266PLM_159					

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Philip Szabo (136)
Byron Stroble (146)

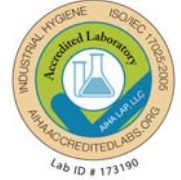
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

Attn: Sarah Young

Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0045C	Textured Ceiling Finish, Room 118B	Not Analyzed			
1717266PLM_160					
0045D	Textured Ceiling Finish, Room 118B	Not Analyzed			
1717266PLM_161					
0045E	Textured Ceiling Finish, Room 118B	Not Analyzed			
1717266PLM_162					
0046A	Drywall Joint Compound, 1956 Addition First Floor Room 151	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_163					Teased
0046B	Drywall Joint Compound, 1956 Addition First Floor Room 151	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_164					Teased
0046C	Drywall Joint Compound, 1956 Addition First Floor Room 151	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_165					Teased
0047A	Drywall Joint Compound, Board Offices Room 010	None Detected		100% Quartz	White Non Fibrous Heterogeneous
1717266PLM_166					Teased
0047B	Drywall Joint Compound, Board Offices Room 001	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_167					Teased

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Philip Szabo (136)
Byron Stroble (146)

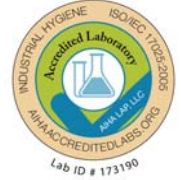
Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

Attn: Sarah Young

Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0047C	Drywall Joint Compound, Board Offices Room 005	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_168					Teased
0048A	Rough Plaster Ceiling, Basement Room 011S	0.8% Libby Amphibole		69.2% Other 30% Vermiculite	Gray Non Fibrous Heterogeneous
1717266PLM_169	single layer				Crushed
0048B	Rough Plaster Ceiling, Basement Room 011A	Not Analyzed			
1717266PLM_170					
0048C	Rough Plaster Ceiling, Basement Room 013	Not Analyzed			
1717266PLM_171					
0049A	Fibrous Sprayed Fireproofing, Basement Room 011B	None Detected	90% Mineral Wool	10% Other	Gray Fibrous Heterogeneous
1717266PLM_172					Teased
0049B	Fibrous Sprayed Fireproofing, Basement Room 011B	None Detected	90% Mineral Wool	10% Other	Gray Fibrous Heterogeneous
1717266PLM_173					Teased
0049C	Fibrous Sprayed Fireproofing, Basement Room 011B	None Detected	90% Mineral Wool	10% Other	Gray Fibrous Heterogeneous
1717266PLM_174					Teased
0050A - A	Plaster, 2nd Floor, Fan Room 164	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_175	finish				Teased

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Philip Szabo (136)
Byron Stroble (146)

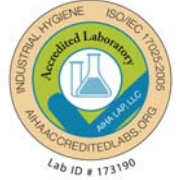
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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

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Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0050A - B	Plaster, 2nd Floor, Fan Room 164	0.8% Libby Amphibole		69.2% Other 30% Vermiculite	Gray Non Fibrous Heterogeneous
1717266PLM_270	base				Teased
0050B - A	Plaster, 2nd Floor, Room 201	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_176	finish				Teased
0050B - B	Plaster, 2nd Floor, Room 201	Not Analyzed			
1717266PLM_271	base				
0050C - A	Plaster, 2nd Floor, Room 208	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_177	finish				Teased
0050C - B	Plaster, 2nd Floor, Room 208	Not Analyzed			
1717266PLM_272	base				
0050D - A	Plaster, 2nd Floor, Room 209	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_178	finish				Teased
0050D - B	Plaster, 2nd Floor, Room 209	Not Analyzed			
1717266PLM_273	base				
0050E - A	Plaster, 2nd Floor, Corridor at Balcony	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_179	finish				Teased

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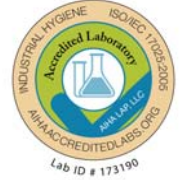
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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

Attn: Sarah Young

Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0050E - B	Plaster, 2nd Floor, Corridor at Balcony	Not Analyzed			
1717266PLM_274	base				
0050F - A	Plaster, 2nd Floor, Corridor at Balcony	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_180	finish				Teased
0050F - B	Plaster, 2nd Floor, Corridor at Balcony	Not Analyzed			
1717266PLM_275	base				
0050G - A	Plaster, 2nd Floor, Corridor	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_181	finish				Teased
0050G - B	Plaster, 2nd Floor, Corridor	Not Analyzed			
1717266PLM_276	base				
0051A	Drywall Joint Compound, 2nd Floor, Room 204	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_182					Teased
0051B	Drywall Joint Compound, 2nd Floor, Room 206	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_183					Teased
0051C	Drywall Joint Compound, 2nd Floor, Room 220	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_184					Teased

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Byron Stroble (146)

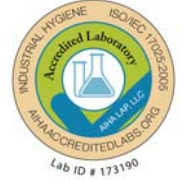
Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

Attn: Sarah Young

Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0052A - A	VT2 - 12" Brown Fleck, room 114	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1717266PLM_185	floor tile				Dissolved
0052A - B	VT2 - 12" Brown Fleck, room 114	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_277	mastic				Dissolved
0052B - A	VT2 - 12" Brown Fleck, room 118B	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1717266PLM_186	floor tile				Dissolved
0052B - B	VT2 - 12" Brown Fleck, room 118B	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_278	mastic				Dissolved
0052C - A	VT2 - 12" Brown Fleck, room 122	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1717266PLM_187	floor tile - ashed				Ashed
0052C - B	VT2 - 12" Brown Fleck, room 122	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_279	mastic				Dissolved
0053A - A	VT4 - 12" Beige Fleck, Room 108	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1717266PLM_188	floor tile				Dissolved
0053A - B	VT4 - 12" Beige Fleck, Room 108	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_280	mastic				Dissolved

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Byron Stroble (146)

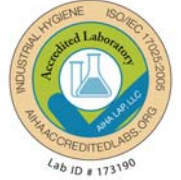
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: Pinchin Ltd.
1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

Attn: Sarah Young

Lab Order ID: 1717266
Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
Date Amended: 8/21/2017

Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0053B - A	VT4 - 12" Beige Fleck, Room 106	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1717266PLM_189	floor tile				Dissolved
0053B - B	VT4 - 12" Beige Fleck, Room 106	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_281	mastic				Dissolved
0053C - A	VT4 - 12" Beige Fleck, Room 139	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1717266PLM_190	floor tile - ashed				Ashed
0053C - B	VT4 - 12" Beige Fleck, Room 139	None Detected		100% Other	Black Non Fibrous Heterogeneous
1717266PLM_282	mastic				Dissolved
0054A	Drywall Joint Compound, 1959 Addition, Room 135B	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_191					Teased
0054B	Drywall Joint Compound, 1959 Addition, Room 135B	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_192					Teased
0054C	Drywall Joint Compound, 1959 Addition, Room 135B	None Detected		100% Other	White Non Fibrous Heterogeneous
1717266PLM_193					Teased
0055A	AT9 - 2'x4' Lay-in ceiling tiles with Clustered Small and Medium Pinholes, Room 105	None Detected	45% Cellulose 45% Mineral Wool	10% Other	Beige Fibrous Heterogeneous
1717266PLM_194					Teased, Ashed

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Philip Szabo (136)
Byron Stroble (146)

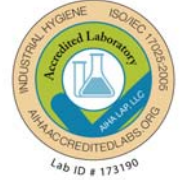
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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1456 Centennial Drive Suite 2
Kingston, ON K7L 0A5

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Analysis ID: 1717266_PLM
Date Received: 8/11/2017
Date Reported: 8/16/2017
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Project: 200584.018, 14 Monck Street, Bancroft, ON, HPEDSB, North Hastings Secondary School

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
0055B	AT9 - 2'x4' Lay-in ceiling tiles with Clustered Small and Medium Pinholes, Room 105	None Detected	45% Cellulose 45% Mineral Wool	10% Other	Beige Fibrous Heterogeneous
1717266PLM_195					Teased, Ashed
0055C	AT9 - 2'x4' Lay-in ceiling tiles with Clustered Small and Medium Pinholes, Room 105	None Detected	45% Cellulose 45% Mineral Wool	10% Other	Beige Fibrous Heterogeneous
1717266PLM_196					Teased, Ashed

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Philip Szabo (136)
Byron Stroble (146)

Analyst

Approved Signatory

171726 (revised)
Version 1-15-2012

Client: Pinchin Ltd.
Contact: Sarah Young
 135 Ontario Street, Unit# 1
Address: Kingston, ON K7L 0A5
Phone: 613-541-1013
Fax:
Email: syoung@pinchin.com

Project: 200584.018, 14 Monck Street,
 Bancroft, ON, HPEDSB, North
 Hastings Secondary School

Client Notes:

P.O. #. 200584.018

Date Submitted: August 10, 2017

Analysis: PLM - Stop Positive
TurnAroundTime: 4days

***Instructions:**
 Use Column "B" for your contact info


To See an Example Click the
 bottom Example Tab.

Enter samples between "<<" and ">>"

Begin Samples with a "<<" above the first sample
 and end with a ">>" below the last sample.
 Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional
 fields that do not show up on the official
 report, however they will be included
 in the electronic data returned to you
 to facilitate your reintegration of the report data.

Invoice to:
 Contact name here
 Email address here



Scientific
 Analytical
 Institute

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

Sample Number	Data 1 (Lab use only)	Sample Description	Data 2 (Lab use only)
---------------	-----------------------	--------------------	-----------------------

<<			
0001A		Exterior Brown Soft Door Caulking, West Door, 1959 Addition	
0001B		Exterior Brown Soft Door Caulking, North Door, 1966 Addition	
0001C		Exterior Brown Soft Door Caulking, North Door, 1947 Addition	
0002A		Exterior Stucco, West Elevation, 1962 Addition	
0002B		Exterior Stucco, East Elevation, 1962 Addition	
0002C		Exterior Stucco, North Elevation, 1962 Addition	
0002D		Exterior Stucco, North Elevation, 1966 Addition	
0002E		Exterior Stucco, West Elevation, 1966 Addition	
0002F		Exterior Stucco, East Elevation, 1966 Addition	
0002G		Exterior Stucco, East Elevation, 1962 Addition	
0003A		Exterior White Firm Caulking Between Joints of Stucco, West Elevation, 1962 Addition	
0003B		Exterior White Firm Caulking Between Joints of Stucco, West Elevation, 1962 Addition	
0003C		Exterior White Firm Caulking Between Joints of Stucco, West Elevation, 1966 Addition	
0004A		Exterior White/Grey Soft Caulking, Window and Doors, West Elevation, 1962 Addition	
0004B		Exterior White/Grey Soft Caulking, Window and Doors, East Elevation, 1962 Addition	
0004C		Exterior White/Grey Soft Caulking, Window and Doors, East Elevation, 1956 Addition	
0005A		Exterior Soft Brown Window Caulking, West Elevation, 1956 Addition	

Accepted

Rejected

M. Ives Fublee
 8-21 2:30 P

0005B	Exterior Soft Brown Window Caulking, East Elevation, 1962 Addition
0005C	Exterior Soft Brown Window Caulking, East Elevation, 1962 Addition
0006A	Exterior Soft Beige Caulking Between Joints of Acrylic Panels, East Elevation, 1962 Addition
0006B	Exterior Soft Beige Caulking Between Joints of Acrylic Panels, East Elevation, 1962 Addition
0006C	Exterior Soft Beige Caulking Between Joints of Acrylic Panels, East Elevation, 1962 Addition
0007A	Exterior Soft Grey Caulking Between Joints of Acrylic Panels, South Elevation, 1956 Addition
0007B	Exterior Soft Grey Caulking Between Joints of Acrylic Panels, North Elevation, 1956 Addition
0007C	Exterior Soft Grey Caulking Between Joints of Acrylic Panels, East Elevation, 1956 Addition
0008A	Exterior Soft Grey Window and Door Caulking, South Elevation, 1956 Addition
0008B	Exterior Soft Grey Window and Door Caulking, West Elevation, 1956 Addition
0008C	Exterior Soft Grey Window and Door Caulking, East Elevation, 1956 Addition
0009A	Exterior Soft Black Expansion Joint Caulking, East Elevation, 1947 Building
0009B	Exterior Soft Black Expansion Joint Caulking, East Elevation, 1947 Building
0009C	Exterior Soft Black Expansion Joint Caulking, East Elevation, 1947 Building
0010A	Exterior Soft White Window Caulking, East Elevation, 1947 Building
0010B	Exterior Soft White Window Caulking, East Elevation, 1947 Building
0010C	Exterior Soft White Window Caulking, East Elevation, 1947 Building
0011A	Exterior Grey Stucco, East Elevation, 1947 Building
0011B	Exterior Grey Stucco, East Elevation, 1947 Building
0011C	Exterior Grey Stucco, West Elevation, 1947 Building
0012A	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition
0012B	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition
0012C	Stucco Ceiling Panels, Exterior East Elevation, 1962 Addition
0013A	Exterior Soft Grey Window Caulking, West Elevation, 1962 Addition
0013B	Exterior Soft Grey Window Caulking, South Elevation, 1962 Addition
0013C	Exterior Soft Grey Window Caulking, West Elevation, 1947 Building
0014A	Exterior Soft Grey Caulking at Glass Window Cubes, West Elevation, 1947 Building
0014B	Exterior Soft Grey Caulking at Glass Window Cubes, West Elevation, 1947 Building
0014C	Exterior Soft Grey Caulking at Glass Window Cubes, West Elevation, 1947 Building
0015A	AT14 - 2'x4' Lay-in Ceiling Tiles with Lenthwise Fissures and Pinholes, Room 214
0015B	AT14 - 2'x4' Lay-in Ceiling Tiles with Lenthwise Fissures and Pinholes, Room 215
0015C	AT14 - 2'x4' Lay-in Ceiling Tiles with Lenthwise Fissures and Pinholes, Room 216
0016A	Plaster Ceiling, 1959 Addition, Corridor 145
0016B	Plaster Wall, 1959 Addition, Room 138
0016C	Plaster Ceiling, 1959 Addition, Room 137
0016D	Plaster Wall, 1959 Addition, Room 108
0016E	Plaster Wall, 1959 Addition, Corridor 145
0016F	Plaster Wall, 1959 Addition, Room 140
0016G	Plaster Wall, 1959 Addition, Room 136
0017A	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 138

0017B	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 102
0017C	VT1 - 9' Light Grey Vinyl Floor Tiles with White Streaks, Room 157A
0018A	Sweatwrap Pipe Insultion, Corridor 145
0018B	Sweatwrap Pipe Insultion, Corridor 145
0018C	Sweatwrap Pipe Insultion, Vestibule 163
0019A	Parging Cement Pipe Insulation, Room 109
0019B	Parging Cement Pipe Insulation, Room 140
0019C	Parging Cement Pipe Insulation, Corridor 145
0020A	Textured Wall Finish, Room 109
0020B	Textured Wall Finish, Room 115
0020C	Textured Wall Finish, Room 115
0020D	Textured Wall Finish, Room 142
0020E	Textured Wall Finish, Room 143
0021A	Aircell Pipe Insulation, Corridor 144
0021B	Aircell Pipe Insulation, 2nd Floor Fan Room
0021C	Aircell Pipe Insulation, Vestibule 163
0022A	Drywall Joint Compound, 1966 Additions, Corridor 144
0022B	Drywall Joint Compound, 1966 Additions, Room 116
0022C	Drywall Joint Compound, 1966 Additions, Room 113
0022D	Drywall Joint Compound, 1966 Additions, Corridor 162
0020E	Drywall Joint Compound, 1966 Additions, Room 130
0023A	Plaster Wall, 1962 Addition, Corridor 144
0023B	Plaster Wall, 1962 Addition, Corridor 144
0023C	Plaster Wall, 1962 Addition, Corridor 144
0023D	Plaster Ceiling, 1962 Addition, Storage Room 160S
0023E	Plaster Ceiling, 1962 Addition, Hallway 122H
0024A	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 114A
0024B	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 115
0024C	VT3 - 9" Dark Grey Vinyl Floor Tiles with White Streaks, Room 160S
0025A	AT4 - 2x4 Lay-in Ceiling Tiles with Small Widthwise Fissures and Few Defined Pinholes, Cor
0025B	AT4 - 2x4 Lay-in Ceiling Tiles with Small Widthwise Fissures and Few Defined Pinholes, Roc
0025C	AT4 - 2x4 Lay-in Ceiling Tiles with Small Widthwise Fissures and Few Defined Pinholes, Roc
0026A	AT5 - 2x4 Lay-in Ceiling Tiles with 'S' Shaped Fissures and Pinholes, Corridor 144 at Exit
0026B	AT5 - 2x4 Lay-in Ceiling Tiles with 'S' Shaped Fissures and Pinholes, Corridor 144 at Exit
0026C	AT5 - 2x4 Lay-in Ceiling Tiles with 'S' Shaped Fissures and Pinholes, Corridor 144 at Exit
0027A	Plaster Wall, 1966 Addition, Vestibule at Corridor 144
0027B	Plaster Ceiling, 1966 Addition, Corridor 162
0027C	Plaster Wall, 1966 Addition, Vestibule at Corridor 144
0028A	VT5 - 12" Beige with Burgandy Streaks, Room 107
0028B	VT5 - 12" Beige with Burgandy Streaks, Room 105

0028C	VT5 - 12" Beige with Burgandy Streaks, Room 105
0029A	Smooth Plaster, 1947 Original Building, Corridor 145
0029B	Smooth Plaster, 1947 Original Building, Corridor 145
0029C	Smooth Plaster, 1947 Original Building, Corridor 145
0029D	Smooth Plaster, 1947 Original Building, Room 132
0029E	Smooth Plaster, 1947 Original Building, Gym Storage
0029F	Smooth Plaster, 1947 Original Building, Corridor 119
0029G	Smooth Plaster, 1947 Original Building, Corridor 118B
0030A	AT8 - 1'x1' Glued-on Ceiling tiles with Smooth Surface, Wood Fibre Composition, Room 107
0030B	AT8 - 1'x1' Glued-on Ceiling tiles with Smooth Surface, Wood Fibre Composition, Room 101
0030C	AT8 - 1'x1' Glued-on Ceiling tiles with Smooth Surface, Wood Fibre Composition, Room 104
0031A	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor 145
0031B	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor 146
0031C	Rough Plaster (1/2 Walls), 1947 Original Building, Corridor Gym
0031D	Rough Plaster (1/2 Walls), 1947 Original Building, Stairwell at Corridor 162
0031E	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Balcony
0031F	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Kitchen
0031G	Rough Plaster (1/2 Walls), 1947 Original Building, 2nd Floor Corridor
0032A	VT6 - 12" Tan with Burgandy Streaks, Room 105
0032B	VT6 - 12" Tan with Burgandy Streaks, Room 105
0032C	VT6 - 12" Tan with Burgandy Streaks, Room 105
0033A	Black Mastic, Ceiling Tile Adhesive, Room 101
0033B	Black Mastic, Ceiling Tile Adhesive, Room 101
0033C	Black Mastic, Ceiling Tile Adhesive, Room 101
0034A	Drywall Joint Compound, 1947 Original Building, Room 133
0034B	Drywall Joint Compound, 1947 Original Building, Room 156 Shower
0034C	Drywall Joint Compound, 1947 Original Building, Room 166
0034D	Drywall Joint Compound, 1947 Original Building, Room 126
0034E	Drywall Joint Compound, 1947 Original Building, Room 148
0035A	AT11 - 2x4 Lay-in Ceiling Tiles with Small Fissures and Large Pinholes, Room 101
0035B	AT11 - 2x4 Lay-in Ceiling Tiles with Small Fissures and Large Pinholes, Room 130
0035C	AT11 - 2x4 Lay-in Ceiling Tiles with Small Fissures and Large Pinholes, Room 130
0036A	Drywall Joint Compound, 1962 Addition, Room 131
0036B	Drywall Joint Compound, 1962 Addition, Room 100
0036C	Drywall Joint Compound, 1962 Addition, Room 131
0037A	Fibrous Sprayed Fireproofing, Gym
0037B	Fibrous Sprayed Fireproofing, Gym
0037C	Fibrous Sprayed Fireproofing, Gym
0037D	Fibrous Sprayed Fireproofing, Gym
0037E	Fibrous Sprayed Fireproofing, Gym

0038A	Parging Cement Duct Insulation, 2nd Floor Fan Room 164
0038B	Parging Cement Duct Insulation, 2nd Floor Fan Room 164
0038C	Parging Cement Duct Insulation, 2nd Floor Fan Room 164
0039A	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room 157A
0039B	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room 157A
0039C	VSF1 - White and Grey Vinyl Sheet Flooring with Blue, Purple and Pink Flecks, Room 157A
0040A	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 106
0040B	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 160
0040C	VT7 - 12" Grey and Blue Vinyl Floor Tiles, Flecks, Room 118
0041A	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, Room
0041B	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, Room
0041C	VT8 - 9" Brown with White Streaks and White with Brown Streaks, Checkered Pattern, Room
0042A	Light Heat Shield, Exterior Entrance at Corridor 163
0042B	Light Heat Shield, Exterior Entrance at Corridor 163
0042C	Light Heat Shield, Exterior Entrance at Corridor 163
0043A	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 129
0043B	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 127
0043C	VT9 - 12" White Vinyl Floor Tiles with Grey and Black Fleck, Room 124
0044A	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom
0044B	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom
0044C	VSF2 - White and Beige Vinyl Sheet Flooring, Square Pattern, Room 118 Washroom
0045A	Textured Ceiling Finish, Room 118B
0045B	Textured Ceiling Finish, Room 118B
0045C	Textured Ceiling Finish, Room 118B
0045D	Textured Ceiling Finish, Room 118B
0045E	Textured Ceiling Finish, Room 118B
0046A	Drywall Joint Compound, 1956 Addition First Floor Room 151
0046B	Drywall Joint Compound, 1956 Addition First Floor Room 151
0046C	Drywall Joint Compound, 1956 Addition First Floor Room 151
0047A	Drywall Joint Compound, Board Offices Room 010
0047B	Drywall Joint Compound, Board Offices Room 001
0047C	Drywall Joint Compound, Board Offices Room 005
0048A	Rough Plaster Ceiling, Basement Room 011S
0048B	Rough Plaster Ceiling, Basement Room 011A
0048C	Rough Plaster Ceiling, Basement Room 013
0049A	Fibrous Sprayed Fireproofing, Basement Room 011B
0049B	Fibrous Sprayed Fireproofing, Basement Room 011B
0049C	Fibrous Sprayed Fireproofing, Basement Room 011B
0050A	Plaster, 2nd Floor, Fan Room 164
0050B	Plaster, 2nd Floor, Room 201

0050C	Plaster, 2nd Floor, Room 208
0050D	Plaster, 2nd Floor, Room 209
0050E	Plaster, 2nd Floor, Corridor at Balcony
0050F	Plaster, 2nd Floor, Room 214
0050G	Plaster, 2nd Floor, Corridor
0051A	Drywall Joint Compound, 2nd Floor, Room 204
0051B	Drywall Joint Compound, 2nd Floor, Room 206
0051C	Drywall Joint Compound, 2nd Floor, Room 220
0052A	VT2 - 12" Brown Fleck, room 114
0052B	VT2 - 12" Brown Fleck, room 118B
0052C	VT2 - 12" Brown Fleck, room 122
0053A	VT4 - 12" Beige Fleck, Room 108
0053B	VT4 - 12" Beige Fleck, Room 106
0053C	VT4 - 12" Beige Fleck, Room 139
0054A	Drywall Joint Compound, 1959 Addition, Room 135B
0054B	Drywall Joint Compound, 1959 Addition, Room 135B
0054C	Drywall Joint Compound, 1959 Addition, Room 135B
0055A	AT9 - 2'x4' Lay-in ceiling tiles with Clustered Small and Medium Pinholes, Room 105
0055B	AT9 - 2'x4' Lay-in ceiling tiles with Clustered Small and Medium Pinholes, Room 105
0055C	AT9 - 2'x4' Lay-in ceiling tiles with Clustered Small and Medium Pinholes, Room 105



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hastings and Prince Edward District School Board
North Hastings Secondary School, 14 Monck Street, Bancroft, Ontario

Project No.: 0200584.059

Prepared For: N. Cartmell / G. Hendry

Lab Reference No.: b231735

Analyst(s): T. Lam / A. Di Giulio

Date Received: June 9, 2020 **# Samples submitted:** 7

Date Analyzed: June 19, 2020 **# Phases analyzed:** 11

Method of Analysis:

EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

The Pinchin Ltd. Mississauga asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 101270-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2005.

This report relates only to the items tested.

NOTE: *This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty is available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.*



Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: Hastings and Prince Edward District School Board
 North Hastings Secondary School, 14 Monck Street, Bancroft, Ontario
Project No.: 0200584.059
Prepared For: N. Cartmell / G. Hendry

Lab Reference No.: b231735
Date Analyzed: June 19, 2020

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)		
		ASBESTOS		OTHER
S0056A Beige paint on concrete block, wall, room 161, ground floor	Homogeneous, beige, cementitious, coating material.	Chrysotile	0.5-5%	Non-Fibrous Material > 75%
S0056B Beige paint on concrete block, wall, corridor 145, ground floor	Homogeneous, white, coating material.	None Detected		Non-Fibrous Material > 75%
Comments:	Another phase is present but there was insufficient material submitted to analyze.			
S0056C Beige paint on concrete block, wall, room 117, ground floor	3 Phases:			
	a) Homogeneous, off-white, hard, cementitious material.	None Detected		Non-Fibrous Material > 75%
	b) Homogeneous, white, coating material.	None Detected		Non-Fibrous Material > 75%
	c) Homogeneous, black, coating material.	None Detected		Non-Fibrous Material > 75%
S0056D Beige paint on concrete block, wall, room 215, second floor	Non-homogeneous, beige and off-white, cementitious, coating material.	Chrysotile	0.5-5%	Non-Fibrous Material > 75%
S0056E Beige paint on concrete block, wall, mechanical room 139, ground floor	2 Phases:			
	a) Homogeneous, off-white, coating material.	Chrysotile	0.5-5%	Non-Fibrous Material > 75%
	b) Non-homogeneous, grey, hard, cementitious material.	None Detected		Non-Fibrous Material > 75%



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

Project Name: Hastings and Prince Edward District School Board
North Hastings Secondary School, 14 Monck Street, Bancroft, Ontario

Project No.: 0200584.059

Prepared For: N. Cartmell / G. Hendry

Lab Reference No.: b231735

Date Analyzed: June 19, 2020

BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0056F Beige paint on concrete block, wall, storage room 015, basement	a) Non-homogeneous, grey and off-white, coating material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, grey, hard, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0056G Beige paint on concrete block, wall, mechanical room 016, basement	Non-homogeneous, off-white coating and grey, hard cementitious material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%

Reviewed by:

Digitally signed by
Cheryl Hendsbee
Date: 2020.06.19
11:19:26 -04'00'

Reporting Analyst:

Digitally signed by
Cheryl Hendsbee
Date: 2020.06.19
11:19:15 -04'00'



Analyzed by: AD
 Reviewed by: KB
 Report Sent by: [Signature]

Special Instructions:

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

Client Name:	Hastings and Prince Edward District School Board	Project Address:	14 Monck Street, Bancroft, Ontario
Portfolio/Building No:	North Hastings Secondary School	Pinchin File:	200584.059
Submitted by:	Nathan Cartmell	Email:	ncartmell@pinchin.com
CC Results to:	Glenn Hendry	CC Email:	ghendry@pinchin.com
Invoice to:		Invoice Email:	
Date Submitted:	June 8 2020	Required by:	June 15 2020
# of Samples:	7	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory Field):			
Do NOT Stop on Positive (Sample Numbers):		S0056A-G	
Pinchin Group Company (Mandatory Field):		Pinchin	

To be Completed by Lab Personnel Only:

Lab Reference #:	<u>0231735 14</u>	Time:	24 hour clock
Received by:	<u>JUN 09 2020</u>	Date:	Month Day Year
Name(s) of Analyst(s):	<u>11 AD 06/19/20</u>		

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0056	A	Beige paint on concrete block, wall, room 161, ground floor <u>CH0.5-5%</u>
S	0056	B	Beige paint on concrete block, wall, corridor 145, ground floor <u>ND</u>
S	0056	C	Beige paint on concrete block, wall, room 117, ground floor <u>a)ND b)ND c)ND</u>
S	0056	D	Beige paint on concrete block, wall, room 215, second floor <u>CH0.5-5%</u>
S	0056	E	Beige paint on concrete block, wall, mechanical room 139, ground floor <u>a)CH0.55% b)ND</u>

↑
TTL
↓



Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0056	F	Beige paint on concrete block, wall, storage room 015, basement <i>AND BND</i>
S	0056	G	Beige paint on concrete block, wall, mechanical room 016, basement <i>CH0.5-S/.</i>

APPENDIX III
Methodology



1.0 METHODOLOGY

Pinchin conducts an inspection of previously identified asbestos-containing materials (ACM) to evaluate the current condition of all accessible identified in the most recent assessment. The surveyor makes reference to any existing assessment or abatement reports (as provided by the Client).

Pinchin will assess all accessible areas with reasonable access to assess presence, condition and quantity of all ACM present including all interior spaces, exterior surfaces, crawlspaces, window caulking, attic spaces and above drop ceilings.

Our investigation does not include demolition of drywall or plaster walls to view concealed conditions. Structural items or exterior building finishes are not removed to determine the presence of concealed materials.

Pinchin will also perform a gap analysis and assess any areas not previously addressed. Existing reports will be reviewed to minimize duplication of work.

Existing sampling data is relied upon. The location of any additional asbestos bulk samples that are required to be collected is recorded on small scale plans. The number of asbestos bulk samples obtained, when sampling is required, is in compliance with the requirements of Table 1 of O.Reg. 278/05.

1.1 Limitations on Scope

The re-assessment excludes the following:

- Articles belonging to the owner, tenant or occupant (e.g. stored items, furniture, appliances, etc.);
- Underground materials or equipment (e.g. vessels, drums, underground storage tanks, pipes, etc.);
- Building envelope, structural components, inaccessible or concealed materials or other items where sampling may cause consequential damage to the property;
- Energized systems (e.g. internal boiler components, elevators, mechanical or electrical components);
- Controlled products (e.g. stored chemicals, operational or process-related substances); and
- Materials not typically associated with construction (e.g. settled dust, spills, residual contamination from prior spills, etc.).

1.2 Methodology

Existing sampling data is reviewed and relied upon. If sampling is conducted, samples are collected at a rate that is in compliance with the requirements of local regulations and guidelines. The sampling strategy is 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.

Materials listed as exclusions in the previous reports remain as exclusions. Sampling, assessment or verification of excluded materials is not conducted.

2.0 ANALYSIS AND IDENTIFICATION OF ASBESTOS MATERIALS

Pinchin relies on the analytical results of prior surveys. Asbestos bulk samples (if required) are analyzed at an independent NVLAP accredited laboratory. Preliminary identification of asbestos fibres is made using polarized light microscopy, with confirmation of the presence and type of asbestos made by dispersion staining optical microscopy. The analysis is performed in accordance with Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, June 1993. All independent laboratories used by Pinchin, including our laboratory, are certified under the National Voluntary Laboratory Accreditation Program (NVLAP) to perform asbestos analysis of bulk samples.

Analytical results are compared to the following criteria:

Jurisdiction	Friable	Non-Friable
BC	0.5% ¹	0.5%
Alberta	Undefined ²	Undefined ²
Saskatchewan	>0.5% ¹	>1%
Manitoba	0.1% ¹	1%
Ontario	0.5%	0.5%
Nova Scotia	0.5% ¹	0.5%
New Brunswick, Prince Edward Island, Newfoundland & Labrador	1%	1%
Yukon, Nunavut, Northwest Territories	1%	1%
Federal	1%	1%

¹ Or any amount if vermiculite

² There is no criteria established for defining an asbestos-containing material by Alberta OHS Regulations. Historically, the accepted threshold was 1%, however materials that contain any asbestos will now need to be assessed before disturbance to determine the potential for fibre release based on the planned work activity.



The asbestos analysis is completed using a stop positive approach. Only one result meeting the above regulated criteria is 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 stops 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 are analyzed if no asbestos is detected. In some cases, all samples are analyzed in the sample set regardless of result.

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.

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

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

Template: Methodology for Asbestos Re-Assessment, HAZ, April 10, 2019

APPENDIX IV
Asbestos Summary Table

ACM Data Summary

Client Name: Hastings and Prince Edward District School Board
Site Address: North Hastings Secondary School, 14 Monck Street, Bancroft, ON
Pinchin File: 200584.030
Date: January 27, 2018

Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
Basement	011-017	Ceiling	Rough Plaster	Plaster Base Coat (no top coat present)	800 SF	0.8% Amphibole	Yes	Yes	C	Good	ACM	0048A-C
Basement	013	Pipe Fittings	Pipe Insulation	Parging Cement	9 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
Basement	014	Pipe Fittings	Pipe Insulation	Parging Cement	18 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
<i>Basement</i>	<i>015</i>	<i>Pipe Fittings</i>	<i>Pipe Insulation</i>	<i>Parging Cement</i>	<i>2 fittings</i>	<i>75% chrysotile</i>	<i>Yes</i>	<i>Yes</i>	<i>C</i>	<i>Abated Prior to 2020</i>	<i>Abated Prior to 2020</i>	<i>0019A-C</i>
First	Throughout 1947 Original Building	Walls	Smooth Plaster	Smooth Plaster Base Coat	Unknown	0.8% Amphibole	Yes	No	D	Good	ACM	0029A-G
First	Throughout 1947 Original Building	Ceilings	Smooth Plaster	Smooth Plaster Base Coat	Unknown	0.8% Amphibole	Yes	No	D	Good	ACM	0029A-G
First	Throughout 1947 Original Building	Lower Half of Walls	Rough Plaster	Rough Plaster Base Coat	Unknown	0.8% Amphibole	Yes	No	D	Good	ACM	0031A-G
First	Throughout 1947 Original Building excluding Main Entrance and Office Suites 100 and 133	Walls	Drywall	Drywall Joint Compound	Unknown	3% chrysotile	No	Yes	A	Good	ACM	0034A-C

Client Name: Hastings and Prince Edward District School Board
Site Address: North Hastings Secondary School, 14 Monck Street, Bancroft, ON
Pinchin File: 200584.030
Date: January 27, 2018

Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
First	Throughout 1947 Original Building excluding Main Entrance and Office Suites 100 and 134	Ceilings	Drywall	Drywall Joint Compound	Unknown	3% chrysotile	No	Yes	C	Good	ACM	0034A-C
First	101	Floor	Floor	Vinyl Floor Tile (VT5)	400 SF	2% chrysotile	No	Yes	A	Good	ACM	0028A-C
First	101A	Pipes	Pipe Insulation	Parging Cement	2 fittings	75% chrysotile	Yes	No	B	Good	ACM	0019A-C
First	102/102A	Floor	Floor	Vinyl Floor Tile (VT1)	400 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
First	102/102A	Floor	Floor	Mastic (VT1)	400 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
First	103	Floor	Floor	Vinyl Floor Tile (VT5)	400 SF	2% chrysotile	No	Yes	A	Good	ACM	0028A-C
First	104	Floor	Floor	Vinyl Floor Tile (VT5)	400 SF	2% chrysotile	No	Yes	A	Good	ACM	0028A-C
First	105	Floor	Floor	Vinyl Floor Tile (VT5)	300 SF	2% chrysotile	No	Yes	A	Good	ACM	0028A-C
First	105A	Floor	Floor	Vinyl Floor Tile (VT5)	100 SF	2% chrysotile	No	Yes	A	Good	ACM	0028A-C
First	106	Above Ceiling	Pipe Insulation	Parging Cement	2 fittings	75% chrysotile	Yes	No	C	Abated Prior to 2020	Abated Prior to 2020	0019A-C
First	107	Floor	Floor	Vinyl Floor Tile (VT5)	30 SF	2% chrysotile	No	Yes	A	Good	ACM	0028A-C

Client Name: Hastings and Prince Edward District School Board
Site Address: North Hastings Secondary School, 14 Monck Street, Bancroft, ON
Pinchin File: 200584.030
Date: January 27, 2018

Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
First	107	Above Ceiling	Pipe Insulation	Parging Cement	4 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	107A	Floor	Floor	Vinyl Floor Tile (VT5)	100 SF	2% chrysotile	No	Yes	A	Good	ACM	0028A-C
First	107A	Above Ceiling	Pipe Insulation	Parging Cement	8 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	108	Above Ceiling	Pipe Insulation	Sweatwrap	45 LF	15% chrysotile	Yes	No	C	Good	ACM	0018A-C
First	109	Pipe Fittings	Pipe Insulation	Parging Cement	10 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
First	110	Pipe	Pipe Insulation	Sweatwrap	20 LF	15% chrysotile	Yes	Yes	C	Good	ACM	0018A-C
First	110	Pipe Fittings	Pipe Insulation	Parging Cement	2 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
First	111	Pipe Fittings	Pipe Insulation	Parging Cement	3 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
First	112A	Pipe	Pipe Insulation	Sweatwrap	20 LF	15% chrysotile	Yes	Yes	C	Good	ACM	0018A-C
First	112A	Pipe Fittings	Pipe Insulation	Parging Cement	8 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
First	113	Pipe Fittings	Pipe Insulation	Parging Cement	19 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
First	114A	Floor	Floor	Vinyl Floor Tiles (VT3)	75 SF	2% chrysotile	No	Yes	A	Good	ACM	0024A-C
First	114A	Floor	Floor	Mastic (VT3)	75 SF	5% chrysotile	No	No	D	Good	ACM	0024A-C
First	115	Floor	Floor	Vinyl Floor Tiles (VT3)	150 SF	2% chrysotile	No	Yes	A	Good	ACM	0024A-C
First	115	Floor	Floor	Mastic (VT3)	150 SF	5% chrysotile	No	No	D	Good	ACM	0024A-C

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Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
First	116A	Above Ceiling	Pipe Insulation	Parging Cement	7 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	117	Pipe	Pipe Insulation	Parging Cement	12 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	118B	Above Ceiling	Concealed Ceiling	Texture Finish	300 SF	8% chrysotile	Yes	No	C	Good	ACM	0045A-C
First	118C	Above Ceiling	Concealed Ceiling	Texture Finish	50 SF	8% chrysotile	Yes	No	C	Good	ACM	0045A-C
First	118D	Above Ceiling	Concealed Ceiling	Texture Finish	50 SF	8% chrysotile	Yes	No	C	Good	ACM	0045A-C
First	120	Floor	Floor	Vinyl Floor Tile (VT1)	300 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
First	120	Floor	Floor	Mastic (VT1)	300 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
First	121	Floor	Floor	Vinyl Floor Tile (VT1)	300 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
First	121	Floor	Floor	Mastic (VT1)	300 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
First	122H	Above Ceiling	Pipe Insulation	Parging Cement	10 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	122H	Above Ceiling	Pipe Insulation	Aircell	100 LF	70% chrysotile	Yes	No	C	Good	ACM	0021A-C
First	129	Above Ceiling	Pipe Insulation	Parging Cement	4 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	130	Above Ceiling	Pipe Insulation	Parging Cement	3 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	130A	Above Ceiling	Pipe Insulation	Parging Cement	6 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	130A	Floor	Floor	Vinyl Floor Tile (VT8)	100 SF	6% chrysotile	No	Yes	A	Good	ACM	0017A-C

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First	130A	Floor	Floor	Mastic (VT8)	100 SF	8% chrysotile	No	No	D	Good	ACM	0017A-C
First	136	Above Ceiling	Pipe Insulation	Aircell	10 LF	70% chrysotile	Yes	No	C	Good	ACM	0021A-C
First	138	Floor	Floor	Vinyl Floor Tile (VT1)	75 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
First	138	Floor	Floor	Mastic (VT1)	75 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
First	140	Above Ceiling	Pipe Insulation	Parging Cement	4 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	140	Door	Fire Rated Door	Insulatin within Core	1 door	PACM	Yes	No	D	Good	PACM	PACM
First	141	Above Ceiling	Pipe Insulation	Pipe insulation	Unknown	PACM	Yes	No	C	Good	PACM	PACM
First	142	Above Ceiling	Pipe Insulation	Sweatwrap	15 LF	15% chrysotile	Yes	No	C	Good	ACM	0018A-C
First	144	Above Ceiling	Pipe Insulation	Sweatwrap	100 LF	15% chrysotile	Yes	No	C	Good	ACM	0018A-C
First	144	Above Ceiling	Pipe Insulation	Parging Cement	45 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	144	Above Ceiling	Pipe Insulation	Aircell	200 LF	70% chrysotile	Yes	No	C	Good	ACM	0021A-C
First	145	Above Ceiling	Pipe Insulation	Sweatwrap	100 LF	15% chrysotile	Yes	No	C	Good	ACM	0018A-C
First	145	Above Ceiling	Pipe Insulation	Parging Cement	31 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	145	Above Ceiling	Pipe Insulation	Aircell	12 LF	70% chrysotile	Yes	No	C	Good	ACM	0021A-C
First	154	Above Ceiling	Pipe Insulation	Pipe insulation	Unknown	PACM	Yes	No	C	Good	PACM	PACM
First	154A	Above Ceiling	Pipe Insulation	Sweatwrap	15 LF	15% chrysotile	Yes	No	C	Good	ACM	0018A-C
First	154A	Above Ceiling	Pipe Insulation	Parging Cement	8 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C

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Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
First	154B	Above Ceiling	Pipe Insulation	Sweatwrap	50 LF	15% chrysotile	Yes	No	C	Good	ACM	0018A-C
First	154B	Above Ceiling	Pipe Insulation	Parging Cement	15 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	155	Above Ceiling	Pipe Insulation	Pipe insulation	Unknown	PACM	Yes	No	C	Good	PACM	PACM
First	156	Above Ceiling	Pipe Insulation	Pipe insulation	Unknown	PACM	Yes	No	C	Good	PACM	PACM
First	156A	Above Ceiling	Pipe Insulation	Pipe insulation	Unknown	PACM	Yes	No	C	Good	PACM	PACM
First	156B	Above Ceiling	Pipe Insulation	Sweatwrap	50 LF	15% chrysotile	Yes	No	C	Good	ACM	0018A-C
First	156B	Above Ceiling	Pipe Insulation	Parging Cement	15 fittings	75% chrysotile	Yes	No	C	Good	ACM	0019A-C
First	157	Above Ceiling	Pipe Insulation	Pipe insulation	Unknown	PACM	Yes	No	C	Good	PACM	PACM
First	158C (stage)	Pipe	Pipe Insulation	Sweatwrap	8 LF	15% chrysotile	Yes	Yes	C	Good	ACM	0018A-C
First	158C (stage)	Pipe	Pipe Insulation	Parging Cement	23 fittings	75% chrysotile	Yes	Yes	C	Good	ACM	0019A-C
First	160 (under stairwell)	Floor	Floor	Vinyl Floor Tile (VT1)	25 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
First	160 (under stairwell)	Floor	Floor	Mastic (VT1)	25 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
First	160A	Pipe	Pipe Insulation	Parging Cement	10 LF	75% chrysotile	Yes	Yes	A	Good	ACM	0019A-C
First	161	Pipes	Pipe Insulation	Sweatwrap	160LF	75% chrysotile	Yes	Yes	A	Good	ACM	0018A-C
First	162	Above Ceiling	Pipe Insulation	Parging Cement	5 fittings	30% chrysotile	Yes	No	C	Good	ACM	0017A-C
First	162	Above Ceiling	Pipe Insulation	Sweatwrap	105 LF	15% chrysotile	Yes	Yes	C	5 SF Debris	ACM	0018A-C
First	162B	Under Stairwell	Pipe Insulation	Parging Cement	3 fittings	75% chrysotile	Yes	Yes	B	Good	ACM	0019A-C

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Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
First	163	Above Ceiling	Pipe Insulation	Aircell	22 LF	70% chrysotile	Yes	No	C	Good	ACM	0021A-C
First	163	Above Ceiling	Pipe Insulation	Parging Cement	10 fittings	30% chrysotile	Yes	No	C	Good	ACM	0017A-C
First	163	Above Ceiling	Pipe Insulation	Sweatwrap	100 LF	15% chrysotile	Yes	Yes	C	Good	ACM	0018A-C
Second	164 (Fan Room)	Duct	Duct Insulation	Parging Cement	750 SF	60% chrysotile	Yes	Yes	B	Good	ACM	0038A-C
Second	164 (Fan Room)	Pipe	Pipe Insulation	Parging Cement	8 fittings	75% chrysotile	Yes	Yes	B	Good	ACM	0019A-C
Second	164 (Fan Room)	Pipe	Pipe Insulation	Aircell	50 LF	70% chrysotile	Yes	Yes	B	Good	ACM	0021A-C
Second	164 (Fan Room)	Pipe	Pipe Insulation	Sweatwrap	25 LF	15% chrysotile	Yes	Yes	B	Good	ACM	0018A-C
First	167	Floor	Floor	Vinyl Floor Tile (VT1)	75 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
First	167	Floor	Floor	Mastic (VT1)	75 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
First	167A	Pipes	Pipe Insulation	Parging Cement	2 fittings	75% chrysotile	Yes	Yes	B	Good	ACM	0019A-C
Second	201	2 Fumehoods	Wall panels	Transite Board	80 SF	PACM	No	Yes	A	Good	PACM	PACM
Second	212	Floor	Floor	Vinyl Floor Tile (VT1)	400 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
Second	212	Floor	Floor	Mastic (VT1)	400 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
Second	214 Hallway to Music Room	Floor	Floor	Vinyl Floor Tile (VT1)	50 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
Second	215 Hallway to Music Room	Floor	Floor	Mastic (VT1)	50 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C

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Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
Second	217	Floor	Floor	Vinyl Floor Tile (VT1)	150 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
Second	217	Floor	Floor	Mastic (VT1)	150 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
Second	218	Floor	Floor	Vinyl Floor Tile (VT1)	50 SF	8% chrysotile	No	Yes	A	Good	ACM	0017A-C
Second	218	Floor	Floor	Mastic (VT1)	50 SF	2% chrysotile	No	No	D	Good	ACM	0017A-C
Second	Stairwell Landing at 218	Floor	Floor	Vinyl Floor Tile (VT3)	50 SF	2% chrysotile	No	Yes	A	Good	ACM	0024A-C
Second	Stairwell Landing at 218	Floor	Floor	Mastic (VT3)	50 SF	5% chrysotile	No	No	D	Good	ACM	0024A-C
Second	219	Floor	Floor	Vinyl Floor Tile (VT3)	50 SF	2% chrysotile	No	Yes	A	Good	ACM	0024A-C
Second	219	Floor	Floor	Mastic (VT3)	50 SF	5% chrysotile	No	No	D	Good	ACM	0024A-C
Second	Kitchen	Ceiling	Stucco Panels	Stucco Top Coat	300 SF	3% chrysotile	Yes	Yes	C	Good	ACM	0012A-C
Second	Cafeteria 220	Ceiling	Stucco Panels	Stucco Top Coat	500 SF	3% chrysotile	Yes	No	C	Good	ACM	0012A-C
Second	221	Pipes	Pipe Insulation	Sweatwrap	20LF	40% chrysotile	Yes	Yes	C	Good	ACM	0018A-C
Second	Throughout	Walls	Smooth Plaster	Smooth Plaster Base Coat	Unknown	0.8% Amphibole	Yes	No	D	Good	ACM	0050A-G
Second	Throughout	Ceilings	Smooth Plaster	Smooth Plaster Base Coat	Unknown	0.8% Amphibole	Yes	No	D	Good	ACM	0050A-G
Second	Throughout	Lower Half of Walls	Rough Plaster	Rough Plaster Base Coat	Unknown	0.8% Amphibole	Yes	No	D	Good	ACM	0031A-G

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Basement, First and Second	Throughout the building	Walls	Painted concrete block	Cementitious Material	Unknown	0.5-5% chrysotile	No	No	D	Good	ACM	S0056A-G
Exterior	1962 Addition	Southeast Entrance Canopy (under Music Room 214)	Stucco Panels	Stucco Top Coat	300 SF	3% chrysotile	Yes	Yes	C	Good	ACM	0012A-C
Exterior	1959, 1962 and 1966 Additions	Exterior Walls	Stucco	Stucco Base Coat	7,000 SF	2% chrysotile	Yes	Yes	A	Good	ACM	0002A-G
Exterior	1986 Addition	Exterior Windows and Doors	Caulking	Grey, Soft Caulking	13 Windows and 3 Doors	2% chrysotile	No	Yes	A	Good	ACM	0008A-C
Exterior	1947 Original Building and 1962 Addition	Exterior Windows; South and West Elevations and South Elevation in Courtyard	Caulking	Grey, Soft Caulking	50 Windows	2% chrysotile	No	Yes	A	Good	ACM	0008A-C
Exterior	1947 Original Building	East Exterior Elevation	Five Exterior Expansion Joints	Black Caulking	150 LF	4% chrysotile	No	Yes	A	Good	ACM	0009A-C
Roof	Entire Roof	Unknown	Unknown	Roofing Paper and Tar	Unknown	PACM	No	No	C	Good	PACM	PACM
Roof	Entire Roof	Unknown	Unknown	Roof Flashing Caulking	Unknown	PACM	No	No	C	Good	PACM	PACM

Notes:

Accessibility Classification:

- A- Areas of the building within reach of all building users.
- B- Frequently entered maintenance areas within reach of maintenance staff, without a ladder.
- C- Areas of the building above 2.4 m where the use of a ladder is required.
- D- Areas of the building behind inaccessible solid ceiling, walls, mechanical equipment, etc.

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Level	Room	Specific Location	ACM Location	ACM Type	Estimated Quantity	Asbestos Content	Friable	Visibility	Access	ACM Condition	Notes	Sample Number
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Visibility:
 Yes - Suspect material is visible without opening hatches or lifting ceiling tiles.
 No - Suspect materials is only visible if access hatches are opened or ceiling tiles are lifted.
 ACM - Asbestos containing material.
 NON-ACM - Material does not contain asbestos.
 PACM - Material is presumed to be asbestos.
 Non-asbestos vinyl floor tiles with asbestos-containing mastic are considered asbestos-containing due to contamination.