



Prepared for: Conseil Scolaire Catholique MonAvenir

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Attn: Mr. Hugues St-Louis, Responsible des installations scolaire

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S2S Project No. 11573.49

December 29, 2023

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2023 Annual Hazardous Building Materials Reassessment

École élémentaire catholique Sainte-Marguerite-Bourgeoys

60 Clench Avenue Brantford, Ontario



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1.0 INTRODUCTION

S2S Environmental Inc. (S2S) was retained by the Conseil Scolaire Catholique MonAvenir (CSC MonAvenir) (Client) to conduct the 2023 Annual Hazardous Buildings Materials Reassessment (HBMR) within École élémentaire Catholique Sainte-Marguerite-Bourgeoys located at 60 Clench Avenue in Brantford, Ontario (Subject Building).

	1	November 29, 2023 Ms. Rachel Dowdall
Description	of Subject Building:	Two-storey school building with no basement
Construc		Approximately 1963 Two-storey addition on west side of the school reportedly constructed in the 1990s
	Combined print Area:	Approximately 1,740 m ² (18,728 ft ²)
Interior Finishes	Walls: Ceilings: Floors:	Drywall, concrete block, brick, metal and wood panels; Acoustic ceiling tiles and linear metal pan; and Terrazzo, concrete slab floor, and vinyl floor tile.

The building was not occupied by regular CSC MonAvenir staff and students at the time of the inspection. Only select administration and custodial staff were present.

2.0 SCOPE OF WORK

2.1 Scope of Work

The 2023 HBMR carried out by S2S was based on CSC MonAvenir's inspection requirements, and consisted of the following:

- 1. Records review, including previous reports made available;
- 2. Site visit including interviews and a non-destructive visual inspection for the following hazardous materials listed above:
 - a. Asbestos Containing Materials (ACMs);
 - b. Lead;
 - c. Mercury;
 - d. Polychlorinated Biphenyls (PCBs);
 - e. Silica; and
 - f. Mould.
- 3. Photography of previously or newly identified, presumed/suspect or damaged ACMs and other designated substances or hazardous materials;



- 4. Updating of drawings and room-by-room asbestos inventory; and
- 5. Evaluation of information and preparation of a report.

2.2 Methodology

2.2.1 Records Review

As part of the HBMR, S2S reviewed the following reports:

- "Reassessment of Hazardous Building Materials Survey Report École élémentaire catholique Sainte Marguerite Bourgeoys 60 Clench Avenue, Brantford, Ontario" report, prepared by Maple Environmental Inc., dated September 2018;
- "2019 Annual Hazardous Building Materials Reassessment École élémentaire catholique Sainte Marguerite Bourgeoys – 60 Clench Avenue, Brantford, Ontario" report, prepared by S2S Environmental Inc., dated January 30, 2020;
- "2020 Annual Hazardous Building Materials Reassessment École élémentaire catholique Sainte Marguerite Bourgeoys – 60 Clench Avenue, Brantford, Ontario" report, prepared by S2S Environmental Inc., dated December 31, 2020;
- "2021 Annual Hazardous Building Materials Reassessment École élémentaire catholique Sainte Marguerite Bourgeoys 60 Clench Avenue, Brantford, Ontario" report, prepared by S2S Environmental Inc., dated December 24, 2021; and
- "2022 Annual Hazardous Building Materials Reassessment École élémentaire catholique Sainte Marguerite Bourgeoys 60 Clench Avenue, Brantford, Ontario" report, prepared by S2S Environmental Inc., dated December 30, 2022.

As noted in the above reports, asbestos, lead, mercury, PCBs, silica, and apparent water damage and/or suspect mould growth were previously identified/suspected to be present within the Subject Building. Previous sample results and findings for existing asbestos and lead containing materials have been assumed to be accurate and have been incorporated into this report where applicable.

2.2.2 Site Visit

The Subject Building was examined to verify the location, quantity and condition of hazardous materials previously identified.

The presence or absence of the following hazardous materials: asbestos, lead, mercury, PCBs, and silica has been inferred based on the historical building usage (reportedly a purpose-built school) and site observations. Further, no confirmatory sampling for these materials or visual suspect mould (if observed) was conducted.

S2S was reliant on CSC MonAvenir to provide access to locked or limited-access areas of the Subject Building on the date of the site visit. All areas of the Subject Building with previously identified hazardous materials were accessible at the time of the 2023 HBMR.



2.3 Guidelines and Regulations

As listed in Section 2.1 of this report, the presence or absence of specified hazardous materials have been reviewed by S2S, as requested by CSC MonAvenir. Management of each of these materials is subject to various guidelines or regulations which are elaborated on below.

Where applicable, local federal and provincial regulations and guidelines (e.g. Ontario Regulations and Health Canada guidelines) are referenced to provide the framework for this HBMR. At the time of construction or demolition activities, a Designated Substances Survey pursuant to Ontario Regulation (O. Reg.) 490/09 should be conducted with respect to the specific needs of planned project work.

2.4 Asbestos Containing Materials (ACMs)

Asbestos is the general name for several varieties of highly fibrous naturally occurring minerals. Commercially significant types include Chrysotile, Amosite and Crocidolite. Due to the thermal, chemical, electrical resistance, flexibility, and strength of asbestos, it was widely manufactured into products for home and industrial applications. Asbestos presents a risk when it is inhaled and has been linked to numerous respiratory diseases.

The disturbance of ACMs during project work is controlled by the Ministry of Labour, Immigration, Training and Skills Development (MLTSD) through O. Reg. 278/05 – Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations (as amended by O. Reg. 479/10). The regulation classifies all disturbances as Type 1, Type 2, or Type 3, each of which has defined work practices. All asbestos-containing materials (if they are to be disturbed) are subject to special handling and disposal requirements and must be removed before partial or full demolition. The MLTSD must be notified in writing of any project involving the removal of more than a minor amount of friable asbestos material.

Evaluation Criteria of ACMs

The condition of ACMs as well as the potential of disturbance was evaluated. These evaluations were based on the conclusions of published studies, existing Ontario regulations, and S2S's experience involving buildings containing ACMs.

Examples of damaged ACMs include, but not limited to, delamination on sprayed material, mechanical insulation with damaged/missing insulation or jacketing, exposed under-pad on vinyl sheet flooring, or a non-friable material that has been pulverized which causes it to become friable. The precedence for remedial action is based not solely on the evaluation of condition but is also based on several other factors which include:

- Accessibility or potential for direct contact and disturbance which can cause release of asbestos to the air;
- Practicality of repair (e.g. if damage to the ACMs will continue even if they are repaired); and



• Efficiency of the work (e.g. if damaged ACMs are being removed in a given area, it may be most practical to remove all ACMs in the area even if they are in good condition).

For the purposes of this assessment, Good, Fair and Poor were utilized to describe the condition of the known or suspect ACMs present in the Subject Building.

Known ACMs are further classified into two categories based on their friability properties. Friable material is material that (a) when dry, can be crumbled, pulverized or powered by hand pressure, or (b) is crumbled, pulverized or powdered. ACMs that are friable have a much greater potential than non-friable ACMs to release airborne asbestos fibres when disturbed. Typical friable ACMs include surfacing materials (e.g. sprayed fireproofing, texture, decorative or acoustic plaster) and thermal insulations (e.g. parging cement) on mechanical systems. Asbestos-containing manufactured materials include vinyl floor tiles, ceiling tiles, gasket materials, asbestos cement pipe or board, and asbestos textiles. Depending on the formulation, these materials may be friable or non-friable. Note that though a product may be considered non-friable when new, if the product releases fine dust due to deterioration or during removal, the free dust is considered friable. Certain ACMs are non-friable when in place but may release significant dust at the time of removal depending on the condition, quantity and method of removal. For example, plaster would be considered friable at the time of significant disturbance/demolition.

S2S utilizes each of the above noted hazard ratings (i.e. condition, accessibility and friability) during our site assessments to determine the risk level of exposure. Detailed notations are obtained on a room-by-room basis, where accessible during each of our surveys.

S2S utilizes this hazard rating protocol to evaluate ACMs present within a building that may require repair or removal procedures. The information obtained from site assessments is utilized to draft detailed specifications on the procedures to remove and or repair the ACMs (if required).

2.5 Lead

Lead is a soft metallic element that is stable, ductile and resistant to corrosion. It has historical widespread use in building materials because it is easy to extract/smelt and is highly malleable. Lead was commonly added to paint as a pigment, and to increase durability, resist corrosion and increase pliability. Lead can pose a health risk to humans if ingested or inhaled.

The disturbance of lead containing materials during project work is controlled by the MLTSD document, "Guideline: Lead on Construction Projects", issued by the Occupational Health and Safety Branch of the Ontario MLTSD, published in September 2004 and revised in April 2011. This guideline provides classifications for types of lead disturbance activities and assigns different levels of respiratory protection and work procedures for anticipated worker exposure to airborne lead. The concentration of total lead present in a surface coating material is regulated by the federal Surface Coating Materials Regulation (SOR/2005-109) made under the Canada Consumer Product Safety Act. This regulation limits total lead levels in new



surface coating materials and products with surface coatings applied to them to 90 mg/kg (or 0.009% by weight). Despite this threshold limit, the level of airborne lead expected to be present in a work area is dependent on the likelihood of producing airborne lead dust or fumes (i.e. hand scraping, sanding, welding, torch cutting, and sandblasting) and is not related to the percentage of lead within the coating. Therefore, for the purpose of this survey, paints with detectable lead concentrations should be considered to be lead containing.

2.6 Mercury

Mercury is used in thermometers, barometers, manometers, switches and relays, fluorescent lamps and other devices due to its electrical conductivity properties and liquid state at standard temperature and pressure.

The disposal of common mercury wastes (i.e. thermostats or fluorescent light tubes) is controlled by the Ontario Ministry of Environment, Conservation and Parks (MECP) Regulation, O. Reg. 347, R.R.O. 1990 (as amended by O. Reg. 334/13).

2.7 Mould and Water Damage

Water damage may be caused due to variety of factors such as but not limited to excessive condensation, pipe, or roof leaks. Mould is a naturally occurring organism that is more likely to propagate within indoor environment on porous materials where excessive moisture is present.

Procedures for remediation and waste management of mould are outlined by the Environmental Abatement Council of Canada (EACC) "*Mould Abatement Guidelines*" Edition 3, dated 2015 and the Canadian Construction Association's (CCA) "*Mould Guidelines for the Canadian Construction Industry*," dated 2018.

2.8 Polychlorinated Biphenyls (PCBs)

PCBs may be contained within fluorescent light ballasts, cooling oil in transformers, caulking, grout, expansion joint material, and paints. Vapours may be released from PCB-containing building materials which places workers at risk of exposure. PCBs are known to cause adverse health effects and being stable in the environment; they are able to bioaccumulate acting as long-term pollutants. PCBs were banned from manufacturing and import in North America in 1977.

Handling, waste management and storage of PCB containing materials should be followed as outlined by O. Reg. 362/90, R.R.O. 1990 (as amended by O. Reg. 232/11). In addition, requirements outlined in the federal regulation SOR/2008-273, as amended, made under the Canadian Environmental Protection Act (CEPA) should be followed.



2.9 Silica

The concrete, cinder block, drywall ceilings, mortar and any other aggregates used throughout the visibly accessible areas of the Subject Building may contain free crystalline silica. Free crystalline silica has been linked to respiratory illnesses when inhalation of silica dust occurs. Appropriate worker protection (i.e. respiratory protection), as outlined in the MLTSD Guideline "Guideline: Silica on Construction Projects", issued by the Occupational Health and Safety Branch of the Ontario MLTSD, published in September 2004 and revised in April 2011 should be employed when conducting demolition or renovation work that will create silica dust.

3.0 FINDINGS AND CONCLUSIONS

3.1 Identified Hazardous Building Materials

Hazardous materials identified within the Subject Building by visual observations during the 2023 HBMR and previous surveys are outlined below:

Hazardous Materials	Findings
Asbestos	 Asbestos containing materials previously presumed/confirmed within the Subject Building include the following: Drywall joint compound applied to drywall finishes (presumed); Parging cement pipe fittings (confirmed); and 9"x 9" white vinyl floor tiles (confirmed). At the time of the 2023 HBMR, S2S observed all previously presumed or confirmed asbestos containing materials to be in good condition with the exception of the following previously presumed asbestos containing materials in which were noted to be in fair condition: Approximately 1ft² of fair condition 9"x9" white vinyl floor tiles in Gymnasium on ground level (Loc. 112); and Approximately 0.5 ft² fair condition drywall finishes associated with presumed asbestos containing drywall joint compound on the Southwest Wall within the Entrance Hall and Vestibule on ground level (Loc. 113). Refer to Appendix A for additional details on a room-by-room basis.
Lead	All paints were observed to be in good at the time of the 2023 HBMR. Based on site conditions at the time of the assessment, no presumed lead containing materials were observed by S2S to be in a condition suspected to create a hazard to building occupants. S2S is of the opinion that paints do not pose a hazard to building occupants if they are left undisturbed. Presumed lead containing materials should

Table 1 – Hazardous Materials Findings



Hazardous Materials	Findings
	be reviewed in the case of specific work activities.
	Lead may be present in paints, electronic components (e.g., wiring connections, wire bundles, etc.), plumbing solder, roof flashing, noise baffles, emergency lighting batteries, and cast-iron piping gaskets (i.e., bell & spigots). Where present within the Subject Building, they are presumed to be lead-containing.
Mercury	Mercury in the form of vapour may be present within the fluorescent light tubes and thermostat observed throughout the Subject Building. At the time of the site visit, all visually observed fluorescent light tubes and thermostats where accessible, were noted to be intact.
PCBs	Fluorescent light fixtures were observed within the Subject Building; however individual ballasts were not investigated during the 2023 HBMR. Due to the approximate construction date of the original portion of the Subject Building (approximately 1963) and given that no major re-lamping has occurred based on the size of the associated light tubes observed in this portion of the Subject Building, PCBs are suspected to be present within fluorescent light fixture ballasts. Given the construction date of the addition on the West side of the Subject Building (reportedly post 1990's), PCBs are not suspected to be present in this section of the Subject Building. At the time of removal and decommissioning, all ballasts in fixtures in the 1963 portion should be investigated for PCB content at the time they are dismantled through a review of manufacture labels.
Silica	The concrete, cinder block, ceiling tiles, mortar and any other aggregates used throughout the visibly accessible areas of the Subject Building may contain free crystalline silica. Conditions for silica to become airborne (i.e. due to extensive concrete damage or crushing/grinding of concrete) during regular activities within the Subject Building were not observed.
Mould/Water Damage	 No evidence of visual suspect mould growth was identified within the visibly accessible areas of the Subject Building; however; apparent water staining/damage was observed in the following locations: 2 acoustic ceiling tiles in Location No. 114; 1 acoustic ceiling tile in the closet of Location No. 107; 1 acoustic ceiling tile in the room shared by 215A and 217A; and 1 acoustic ceiling tile in the southeast stairwell. The sources of the apparent water staining/damage could not be identified during the 2023 HBMR. Refer to Appendix A for additional details on a room-by-room basis.



3.2 General Recommendations

Based on the findings of the 2023 HBMR, there are no recommendations for visual suspect mould. For the other hazardous materials identified, S2S recommends the following for the Subject Building:

- S2S recommends that the fair condition ACMs (as noted above in Table 1) be managed in place or repaired/removed following appropriate asbestos abatement procedures in accordance with O. Reg 278/05. The ACMs identified to be in good condition within the Subject Building are currently in compliance with O. Reg. 278/05 and should be managed in place.
- 2) If lead containing materials are disturbed, work should be completed as per "Guideline: Lead on Construction Projects" issued by the Occupational Health and Safety Branch of the Ontario MLTSD. Lead may be present in paints, electronic components (e.g., wiring connections, wire bundles, etc.), plumbing solder, batteries, and cast-iron piping gaskets (i.e., bell & spigots).
- 3) It is recommended that disposal of out-of-service fluorescent light tubes, any other mercury containing materials or equipment be completed in accordance with O. Reg. 490/09 and O. Reg. 347. At the time of the site visit, all visually observed suspect mercury containing fluorescent light tubes and thermostats, where accessible, were noted to be intact.
- 4) Silica containing materials are to be managed in place or removed following appropriate dust control measures and worker precautions (i.e. respiratory protection), as outlined in the Ontario MLTSD "Guideline Silica on Construction Projects", issued in April 2011, when conducting demolition or renovation work that will create silica dust. At the time of the site visit, suspect silica containing materials in visually accessible areas were generally observed to be in good condition. Conditions for silica to become airborne (i.e. due to extensive damage or crushing/grinding of building materials) during regular activities within the Subject Building was not observed.
- 5) When suspect PCB containing fluorescent light fixtures are taken out of service, the ballasts should be examined to verify for the presence of PCBs. This can be performed by comparing the manufacturers date code stamped on the ballast to information presented in the document "Identification of Lamp Ballasts Containing PCBs" published by Environment Canada. Handling, waste management and storage of PCB containing materials should be carried out following procedures outlined by O. Reg. 362/90 and the federal regulation SOR/2008-273 made under CEPA.
- 6) No visual evidence of suspect mould growth was observed; however, apparent water damage/staining was identified (as noted above in Table 1). S2S recommends that the apparent water-stained materials be removed/repaired and other areas be cleaned by trained maintenance staff and that the sources of all apparent water staining be investigated and repaired prior to the development of mould growth.



If any specific area within the Subject Building is to undergo interior renovation or demolition activities, it is recommended that a Designated Substance Survey (DSS) be conducted within the renovation/demolition areas for the purpose of providing a detailed layout of its potentially hazardous materials.

4.0 CLOSURE

This report has been prepared for the sole benefit of the Conseil Scolaire Catholique MonAvenir (CSC MonAvenir). S2S Environmental Inc. (S2S) understands that this report may be provided to and relied upon by contractors as background information on the location and condition of designated substances within the specified areas. Any other person or entity without the express written consent of S2S and CSC MonAvenir may not rely upon the report. Any use that a party makes of this report, or any reliance on decisions made based on it, is the responsibility of such parties. S2S accepts no responsibility for damages, if any, suffered by any party as a result of decisions made or actions based on this report.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted engineering and scientific practices current at the time the work was performed.

S2S has not evaluated health risks associated with building occupant exposure to hazardous materials (i.e. designated substances, mould) which may be identified in this report. Evaluation of health risks on an individual should only be made by a licensed medical practitioner who has knowledge of the individual's medical history.

Mould is a naturally occurring organism and regardless of the findings of an assessment or effectiveness of a remediation, it could occur/reoccur when conditions are favourable. Therefore, buildings and surfaces should be maintained to prevent conditions that are favourable for mould growth. The scope of services did not include a detailed evaluation of the thermal and moisture characteristics of the exterior wall assembly, or a detailed building envelope investigation to assess all potential cause of the water infiltration that created an environment favourable to mould proliferation.

All standards, regulations and guidelines referenced in this report are subject to change with time and may no longer be applicable at a later date.

S2S makes no other representation whatsoever, including those concerning the legal significance of its findings, or as to the other legal matters addressed incidentally in this report, including but not limited to the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation. These interpretations may change over time, thus CSC MonAvenir should review such issues with appropriate legal counsel. The designated substance locations and conclusions provided are based on information obtained from visual inspection and limited sampling carried out, at the specific test locations, and information obtained from building management personnel. The



results can only be extrapolated to an undefined area around the test locations. It is possible that additional, concealed designated substances may become evident during demolition/renovation activities.

The quantities provided in this report are order-of-magnitude values and are not considered exact quantities. Contractors are not to use these quantities for providing quotations and will need to inspect the areas to verify the quantity of materials and site conditions that may affect the cost of any abatement work (if required).

We trust that the above meets your current requirements. If you have any questions or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

S2S ENVIRONMENTAL INC.

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Mr. Hugues St-Louis (CSC MonAvenir)



APPENDIX A

UPDATED ROOM-BY-ROOM ASBESTOS INVENTORY



Number of Floors: 2

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Concrete						
	Pipe Chase		Ceiling		Not Found						
			Wall		Masonry						
		G	Structure		Concrete						
12			Pipe	Straight	Fibreglass						
			Pipe	All	Un-Insulated						
			Pipe	Fitting	Un-Insulated						
			Duct		Not Insulated						
			Mechanical		Not Found						

Comments

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl Sheet Flooring						New
			Ceiling		Acoustic Tiles						Limited to W/R
			Wall		Drywall	G	Α	N/E		Presumed	
			Wall		Masonry						
100	Classroom &	G	Structure		Concrete						
100	Washroom 112	G	Structure	Bulkhead	Wood						
			Pipe	Straight	Un-Insulated						
			Pipe	Fitting	PVC						
			Duct		Un-Insulated						
			Mechanical		Not Found						

Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
		Floor	VT-2	Vinyl tiles					ND	
Staff Room &		Ceiling		Not Found						
		Wall		Masonry						
	C	Structure		Siporex						
Washroom 110	G	Pipe	Straight	Not Insulated						
		Pipe	Fitting	Not Insulated						
		Duct		Not Found						
		Mechanical	Radiator	Un-insulated						
	Staff Room &	Staff Room & G	Staff Room & G Floor Washroom 110 Wall Structure Pipe Duct	Staff Room & G Floor VT-2 Ceiling Wall Washroom 110 Structure Pipe Straight Pipe Fitting Duct Structure	Staff Room & Floor VT-2 Vinyl tiles Masonry Ceiling Not Found Wall Masonry Structure Siporex Pipe Straight Not Insulated Pipe Fitting Not Insulated Duct Not Found	Staff Room & Washroom 110 Floor VT-2 Vinyl tiles G Floor VT-2 Vinyl tiles Wall Not Found Wasonry Structure Siporex Origonal Pipe Straight Not Insulated Pipe Fitting Not Insulated Duct Not Found Origonal	Staff Room & Wall Floor VT-2 Vinyl tiles Staff Room & Wall Masonry Wall Washroom 110 Structure Siporex Pipe Straight Not Insulated Pipe Fitting Not Insulated Duct Not Found Insulated	Staff Room & Wall Floor VT-2 Vinyl tiles Wall Not Found Image: Straight of the str	Staff Room & Wall Floor VT-2 Vinyl tiles Image: Constraint of the straight of the s	Staff Room & Wall Floor VT-2 Vinyl tiles ND Staff Room & Wall Not Found Masonry Masonry Masonry Washroom 110 Structure Siporex Masonry Masonry Pipe Straight Not Insulated Mot Insulated Masonry Duct Not Insulated Mot Insulated Masonry Masonry

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Terrazzo						
			Ceiling		Acoustic tiles					ND	
			Wall		Masonry						
	Girls Washroom 108	G	Wall		Ceramic						
104			Wall		Plywood						
104			Structure		Siporex						
			Pipe	Straight	Not Insulated						
			Pipe	Fitting	Not Insulated						
			Duct		Not Found						
			Mechanical	Radiator	Un-insulated						

Condition: G = Good, F = Fair, P = Poor

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Terrazzo						
	105 Boys Washroom 106		Ceiling		Not Found						
			Wall		Ceramic						
		G	Wall		Masonry						
105			Structure		Siporex						
			Pipe	Straight	Not Insulated						
			Pipe	Fitting	Not Insulated						
			Duct		Not Found						
			Mechanical	Radiator	Un-insulated						
omments	1 L		н					1	1		1

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Terrazzo						
			Floor		Vinyl tiles						New
			Ceiling		Acoustic Tiles						
			Wall		Drywall	G	Α	N/E		Presumed	
06A & 106B	Washroom & Storage	G	Wall		Masonry						
			Structure		Siporex						
			Pipe	All	Un-insulated						
			Pipe	All	Fibreglass						
			Duct		Not Found						
			Mechanical		Not Found						

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor	VT-2	Vinyl tiles					ND	
			Ceiling	AT-2	Acoustic Tiles					ND	1/3 of room
			Wall		Drywall	G	Α	N/E		Presumed	
			Wall		Masonry						
			Structure		Siporex						Minor damage
			Structure	Bulkhead	Drywall	G	Α	N/E		Presumed	
107	Classroom 104	G	Pipe	Straight	Fibreglass						
			Pipe	Straight	Un-insulated						
			Pipe	Fitting	Un-insulated						
			Pipe	Fitting	Fibreglass						
			Duct		Un-insulated						
			Duct		Fibreglass						
			Mechanical	Radiator	Un-insulated						

Comments: 1 stained ceiling tile in Washroom.

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet						New Flooring Installed
			Ceiling		Not Found						in 2017
			Wall		Masonry						
108	Classroom 102	G	Structure		Siporex						
100		U	Pipe	Straight	Fibreglass						
			Pipe	Fitting	PVC						
			Duct		Not Found						
			Mechanical	Radiator	Un-insulated						
Comments			· · · · ·					-	-		

Condition:

G = Good, F = Fair, P = Poor

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New
			Ceiling	AT-2	Acoustic Tiles					ND	
			Wall		Masonry						
			Structure		Siporex						
			Pipe	Straight	Fibreglass						
109	Corridor	G	Pipe	Straight	Foam						
			Pipe	Fitting	Fibreglass						
			Pipe	Fitting	Parging cement	G	С	20	Each	СН	
			Duct		Not Insulated						
			Mechanical	Radiator	Un-insulated						
Comments	•				·	-		-	<u> </u>		-

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Concrete						
			Ceiling		Not Found						
			Wall		Masonry						
Gym Equip.			Structure		Siporex						
110	Room	G	Pipe	Straight	Fibreglass						
	Room		Pipe	Straight	Not Insulated						
			Pipe	Fitting	Not Insulated						
			Duct		Not Found						
			Mechanical		Not Found						

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Concrete						
			Ceiling		Not Found						
			Wall		Masonry						
			Structure		Siporex						
	111 Boiler Room	G	Pipe	Straight	Not Insulated						
			Pipe	Straight	PVC Jacket						
111			Pipe	Straight	Fibreglass						
111	Boller Koolli	9	Pipe	Fitting	Fibreglass						
			Pipe	Fitting	Not Insulated						
			Pipe	Fitting	PVC Jacket						
			Duct		Not Insulated						
			Mechanical	HWT	Not Insulated						
			Mechanical	AHU	Not Insulated						
			Mechanical	Boiler	Not Insulated						

Condition: G = Good, F = Fair, P = Poor

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor	VT-1	9"x9" White Vinyl	G	Δ	3000	SF	СН	White
			Floor	V I -1	Tiles	F	А	1	SF	СН	vvnite
	112 Gymnasium		Ceiling		Linear Metal Pan						
			Wall		Masonry						
112 Gymnasium	G	Structure		Not Found						No Access	
	Gymnasium		Pipe	Straight	Not Insulated						
			Pipe	Fitting	Not Insulated						
			Duct		Not Found						
			Mechanical	Radiator	Un-insulated						

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New
			Floor		Ceramic						
			Ceiling		Acoustic tiles						New- in vestibule
			Wall		Masonry						
113	Entrance Hall &	G	Wall		Drywall	F	А	0.5	SF	Presumed	Minor damage at SW wall
	Vestibule		Structure	Column	Drywall	G		N/E		Presumed	
			Structure		Siporex						
			Pipe		Not Found						
			Duct		Not Found						
			Mechanical		Not Found						
Comments:											

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl tiles					ND	12x12 White with grey
			FIUUI		viriyi ules					ND	streaks
			Ceiling		Acoustic Tiles						New
			Wall		Masonry						
114 & 116	Room 107	G	Wall		Drywall	G	Α	N/E		Presumed	
			Structure		Siporex						
			Pipe		Un-insulated						
			Duct		Un-insulated						
			Mechanical		Not Found						

Comments: 2 stained ceiling tiles (114).

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl tiles					New	12x12 Beige streaks
			Ceiling		Not Found						
			Wall		Wood						
116A	Principal's	6	Wall		Drywall						New
IIOA	Office 105	G	Structure		Siporex						
			Pipe		Not Found						
			Duct		Not Found						
			Mechanical		Not Found						

Condition: G = Good, F = Fair, P = Poor

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor 1	VT-2	Vinyl tiles					ND	12x12 Brown streaks
			Floor 2	VT-1	9"x9" White Vinyl Tiles	G	Α	50	SF	СН	Limited to raised floor on west side o Room. Limited access.
117	EDD 103	G	Ceiling		Not Found						
117		0	Wall		Masonry						
			Wall		Drywall						New (applied to masonry)
			Structure		Siporex						
			Pipe	Straight	Fibreglass						
			Pipe	Fitting	PVC						
			Duct		Not Found						
			Mechanical		Not Found						

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor	VT-1	5 X9 White Villy	G	Α	1000	SF	СН	9x9 White
			Floor		Vinyl tiles					New	12x12 Beige streaks (installed along window wall)
			Ceiling		Not Found						
118	Library 101	G	Wall		Masonry						
	-		Wall		Drywall						New
			Structure		Siporex						
			Pipe	All	Fibreglass						
			Duct		Not Found						
			Mechanical		Not Found						

Comments: VT-1 Vinyl tiles (9X9)

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
120	Beem	6	Wall		Drywall						
120	Room	G	Wall								
			Structure								
			Pipe								
			Duct								
			Mechanical								
Comments	•		•					•	•		•

Condition: G = Good, F = Fair, P = Poor

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
400	Deam	•	Wall		Drywall						
122	Room	G	Wall								
			Structure								
			Pipe								
			Duct								
			Mechanical								
Comments											

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
123	Room	G	Wall		Drywall						
123	ROOM	G	Wall								
			Structure								
			Pipe								
			Duct								
			Mechanical								
Comments:											

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
124	Room	G	Wall		Drywall						
124	Koom	U	Wall								
			Structure								
			Pipe								
			Duct								
			Mechanical								
Comments											

Building System Sub System Description Accessibility Quantity Loc No. Room Name Level Condition Vinyl sheet flooring Floor Ceiling AT-2 Acoustic ceiling tiles Wall Drywall 125 G Room Wall Structure Pipe Duct Mechanical

Comments

G = Good, F = Fair, P = Poor

Unit	ACM	NOTES
		New addition,
		reportedly 1990's
		2"x4" Acoustic ceiling
		tiles

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
400		•	Wall		Drywall						
126	Room	G	Wall								
			Structure								
			Pipe								
			Duct								
			Mechanical								
Comments											

Quantity Loc No. Building System Sub System Condition Accessibility Room Name Level Description Vinyl sheet flooring Floor Ceiling Acoustic ceiling tiles AT-2 Wall Drywall 127 G Room Wall Structure Pipe Duct Mechanical Comments

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
400		•	Wall		Drywall						
128	Room	G	Wall								
			Structure								
			Pipe								
			Duct								
			Mechanical								

Comments

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
400	Deem	6	Wall		Drywall						
129	Room	G	Wall								
			Structure								
			Pipe								
			Duct								
			Mechanical								

Condition:

G = Good, F = Fair, P = Poor

Unit	ACM	NOTES
		New addition,
		reportedly 1990's
		2"x4" Acoustic ceiling
		tiles

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
130	Room	G	Wall		Drywall						
150	Koom	0	Wall								
			Structure								
			Pipe								
			Duct								
			Mechanical								
Comments:											

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
131	Room	G	Wall		Drywall						
	Room	U	Wall								
			Structure								
			Pipe								
			Duct								
			Mechanical								

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
100	D	•	Wall		Drywall						
132	Room	G	Wall								
			Structure								
			Pipe								
			Duct								
			Mechanical								

Comments

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
400		•	Wall		Drywall						
133	Room	G	Wall								
			Structure								
			Pipe								
			Duct								
			Mechanical								
Comments											

Condition:

G = Good, F = Fair, P = Poor

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
404	_		Wall		Drywall						
134	Room	G	Wall								
			Structure								
			Pipe								
			Duct								
			Mechanical								
Comments:											

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
207	Room	2	Wall		Drywall						
			Structure								
			Pipe								
			Duct								
			Mechanical								
Comments											

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
209	Room	2	Wall		Drywall						
			Structure								
			Pipe								
			Duct								
			Mechanical								
Comments			·			-	-	-			

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
211	Room	2	Wall		Drywall						
			Structure								
			Pipe								
			Duct								
			Mechanical								
Comments			•		-	-	-	•		-	

Condition:

G = Good, F = Fair, P = Poor

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
213	Room	2	Wall		Drywall						
			Structure								
			Pipe								
			Duct								
			Mechanical								
Comments											

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
215A	Room	2	Wall		Drywall						
			Structure								
			Pipe								
			Duct								
			Mechanical								
comments:	1 water stained ceil	ing tile (Room	shared with 217A).				•	-	•		•

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
217A	Room	2	Wall		Drywall						
			Structure								
			Pipe								
			Duct								
			Mechanical								
omments:	1 water stained ceili	ing tile (Room	n shared with 215A).								

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
218	Room	2	Wall		Drywall						
			Structure								
			Pipe								
			Duct								
			Mechanical								

Condition: G = Good, F = Fair, P = Poor

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition, reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling tiles
218A	Room	2	Wall		Drywall						
			Structure								
			Pipe								
			Duct								
			Mechanical								

Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Floor		Vinyl sheet flooring						New addition,
			1 1001		villy sheet noolling						reportedly 1990's
			Ceiling	AT-2	Acoustic ceiling tiles						2"x4" Acoustic ceiling
			Cening	AT-2	Acoustic celling tiles						tiles
220	Room	2	Wall		Drywall						
			Structure								
			Pipe								
			Duct								
			Mechanical								
Comments	•		•			•		•	• •		•

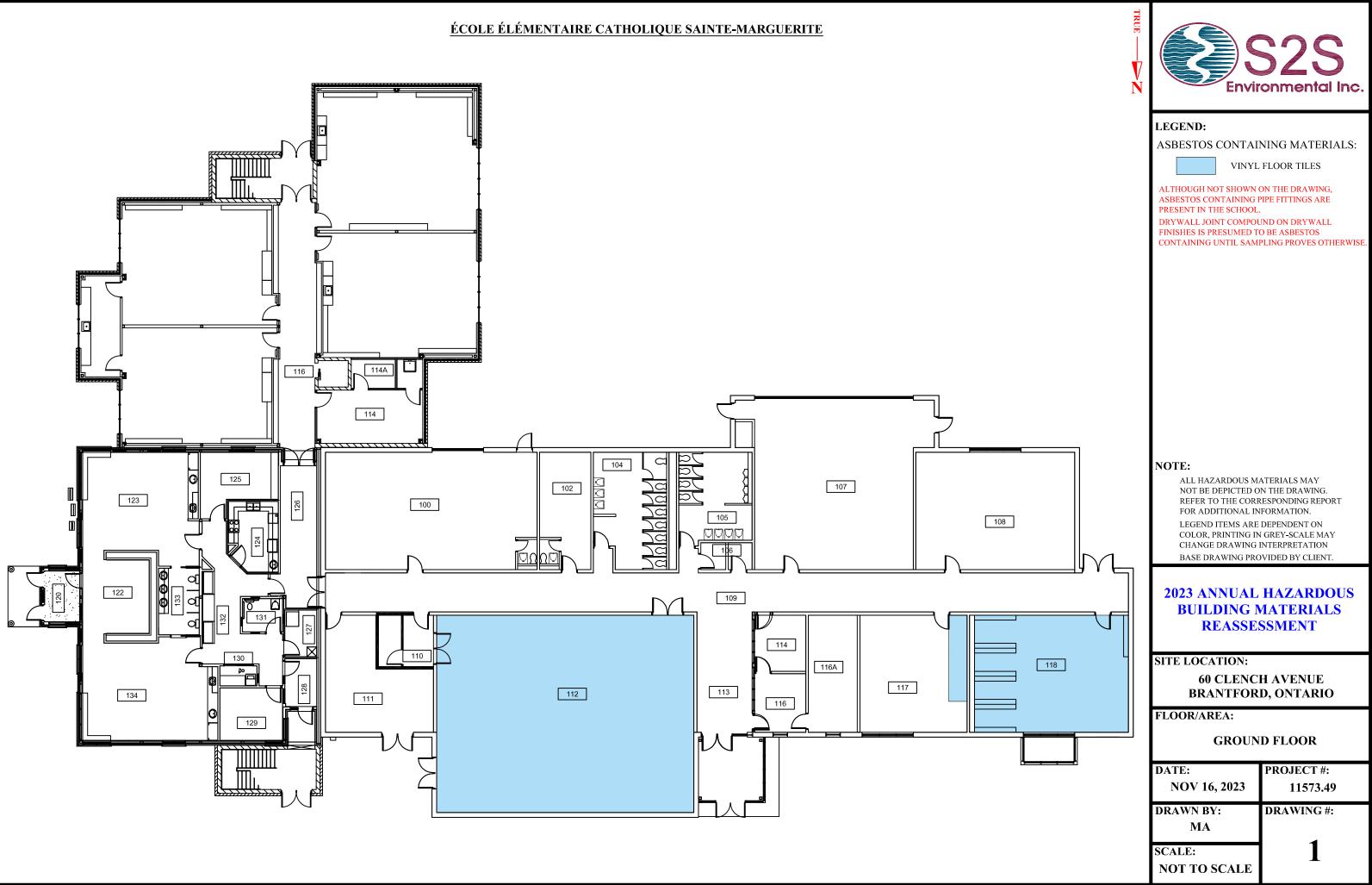
Loc No.	Room Name	Level	Building System	Sub System	Description	Condition	Accessibility	Quantity	Unit	ACM	NOTES
			Wall		Masonry						
			Wall		Metal						
Exterior	Room	G	Wall		Brick						
Exterior	Room	U	Structure	Soffit	Concrete						Daycare Soffit
			Structure	Soffit	Siporex						
			Pipe		Un-Insulated						
comments			• • • •			•		•	•		•

Condition: G = Good, F = Fair, P = Poor

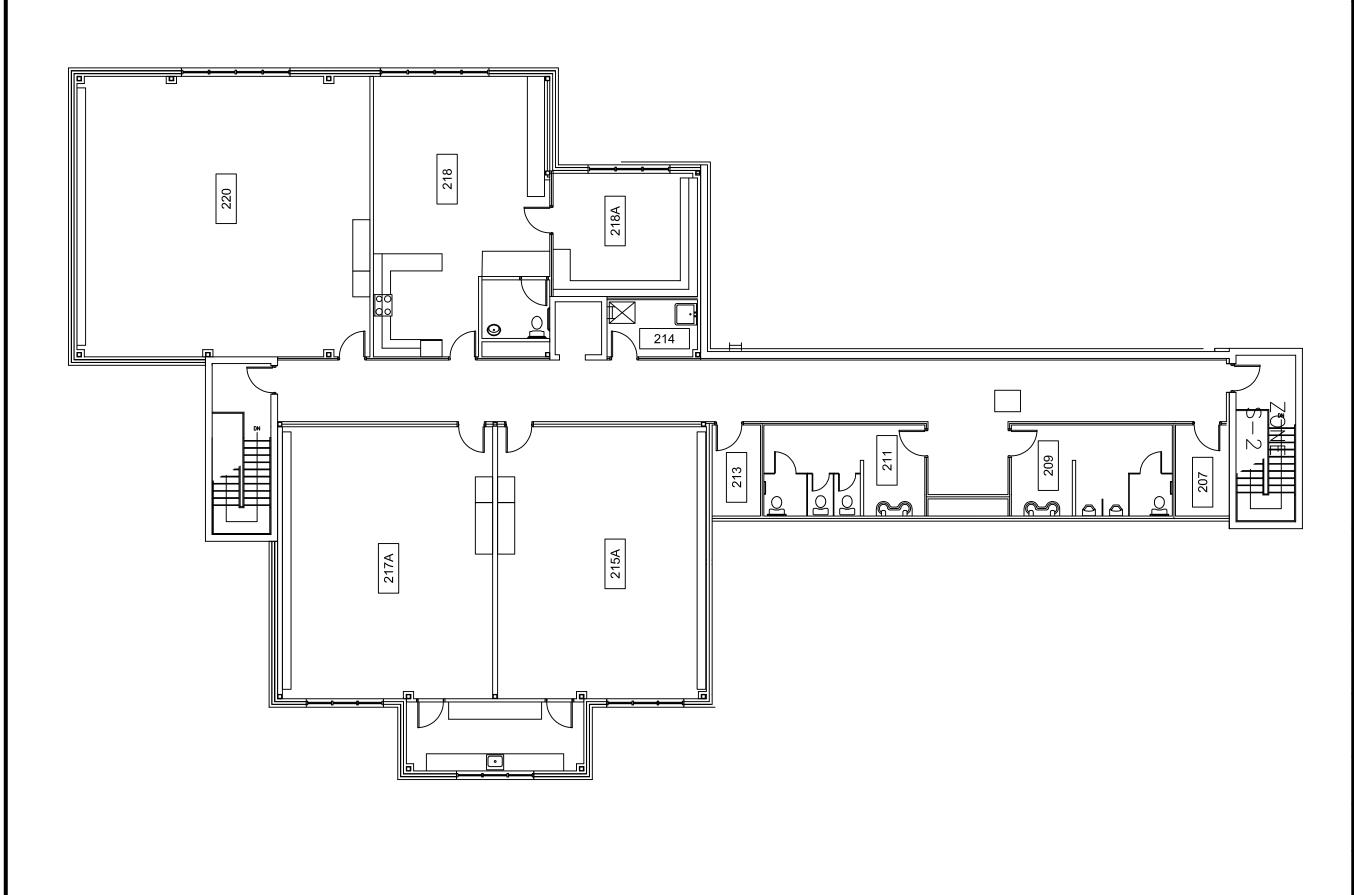
APPENDIX B

SITE DRAWINGS





ÉCOLE ÉLÉMENTAIRE CATHOLIQUE SAINTE-MARGUERITE





LEGEND:

ASBESTOS CONTAINING MATERIALS:

ALTHOUGH NOT SHOWN ON THE DRAWING, ASBESTOS CONTAINING PIPE FITTINGS ARE PRESENT IN THE SCHOOL.

DRYWALL JOINT COMPOUND ON DRYWALL FINISHES IS PRESUMED TO BE ASBESTOS CONTAINING UNTIL SAMPLING PROVES OTHERWISE.

NOTE:

ALL HAZARDOUS MATERIALS MAY NOT BE DEPICTED ON THE DRAWING. REFER TO THE CORRESPONDING REPORT FOR ADDITIONAL INFORMATION. LEGEND ITEMS ARE DEPENDENT ON COLOR, PRINTING IN GREY-SCALE MAY CHANGE DRAWING INTERPRETATION BASE DRAWING PROVIDED BY CLIENT.

2023 ANNUAL HAZARDOUS BUILDING MATERIALS REASSESSMENT

SITE LOCATION: 60 CLENCH AVENUE BRANTFORD, ONTARIO

FLOOR/AREA:

SECOND FLOOR

DATE:	PROJECT #:
NOV 16, 2023	11573.49
DRAWN BY:	DRAWING #:
MA	
SCALE:	2
NOT TO SCALE	