VANDERWESTEN RUTHERFORD MANTECON
CONSULTING STRUCTURAL, MECHANICAL, ELECTRICAL & CIVIL ENGINEERS
LONDON • HAMILTON • WINDSOR • OTTAWA

ADDENDUM

ME-01

Project: SCCDSB – St. Elizabeth School – Boiler Replacement

Date: May 03, 2016

Project No: 13-063

This addendum forms part of the contract documents and amends the original bidding requirements, drawings and specifications noted below.

1.0 Mechanical

1.1 SPECIFICATIONS

.1 Refer to Section 20 01 05, Demolition and Renovations

.1 Refer to article 3.4.9, Demolition (page 3 of 4)

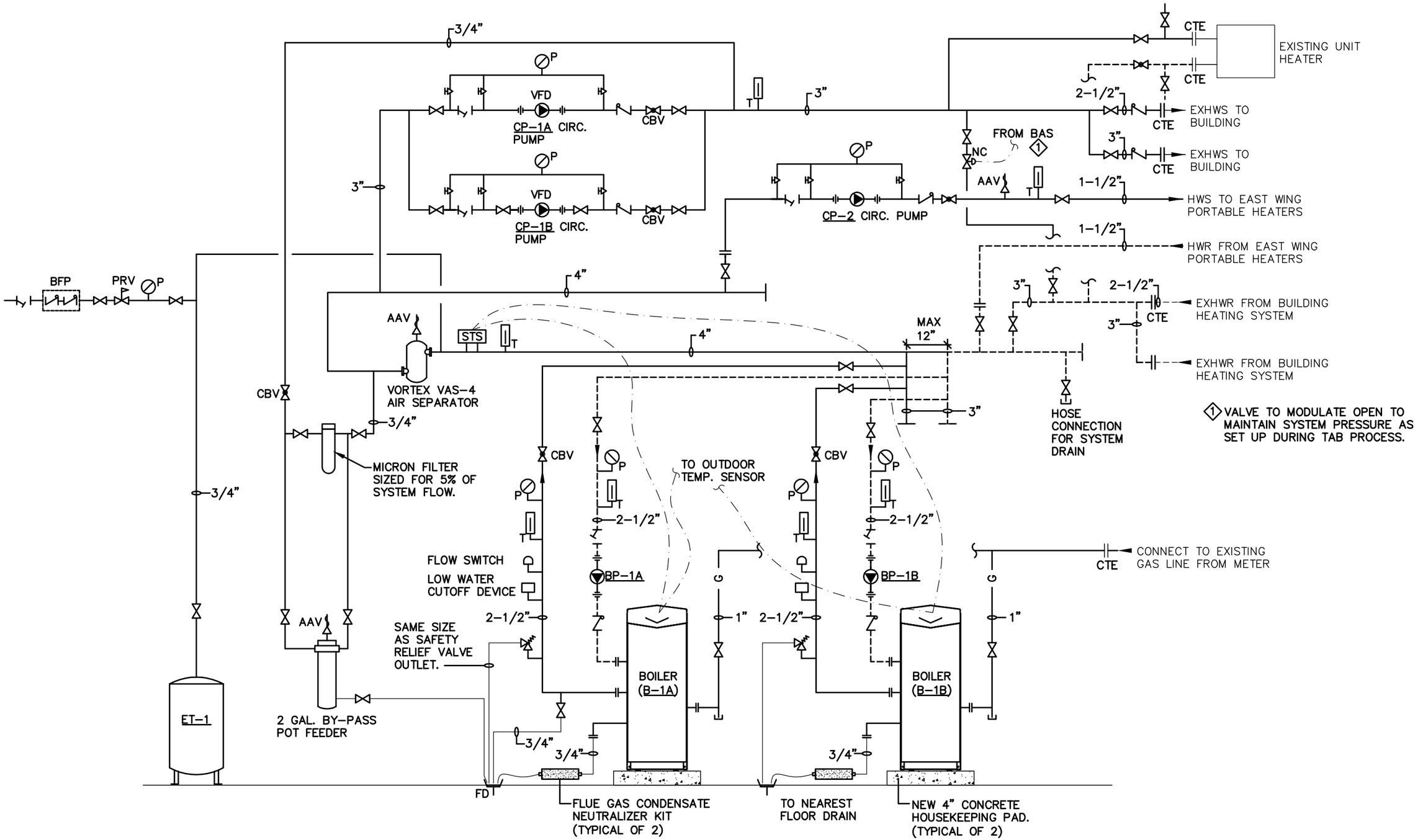
.9 Refer to attached Designated Substances Survey and Asbestos Product Re-Assessment Report for the St. Elizabeth School. If during alteration work, existing asbestos material other than known asbestos is discovered (e.g. fireproofing, acoustic or thermal insulation, tank covering), stop work in the affected area and immediately notify consultant. Follow the Ontario Ministry of Labour's Latest Requirements.

1.2 DRAWINGS

.1 Refer to Drawing No. M-5

.1 Refer to attached sketch M-5R, Boiler room piping schematic; and replace the drawing M-5 with M-5R in its entirety.

END OF ADDENDUM ME-01



2	ADDENDUM NO. 1	MAY 03, 2016
1	ISSUED FOR TENDER	APRIL 18, 2016

VRM #15-199
VANDERWESTEN RUTHERFORD MANTECON INC.
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Project: SCCDSB – ST. ELIZABETH CATHOLIC SCHOOL – BOILER REPLACEMENT

Drawn By: ND/SVM | **Checked By:** SVM/NV

Date: FEB 12, 2016 | **Scale:** N.T.S.

Drawing Title: BOILER ROOM PIPING SCHEMATIC

Drawing No.: M-5R

ORIGINAL SHEET – ARCH B

DESIGNATED SUBSTANCES SURVEY

(per Section 30, OHSA)

ASBESTOS PRODUCTS RE-ASSESSMENT

(per Section 8, O.Reg. 278/05)

St. Elizabeth School
Wallaceburg, Ontario

Prepared for:

St. Clair Catholic District School Board
245 Tecumseh Street
Sarnia, Ontario
N7T 2L1

November 26, 2015

Project No.: 15-0543

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APPENDICES

1.0 INTRODUCTION

OH Solutions Inc. (OHS) was retained by the St. Clair Catholic District School Board to conduct a re-assessment of the condition of known friable asbestos-containing materials (ACM) and a visual inspection for mould at St. Elizabeth School located at 1350 Bertha Street in Wallaceburg, Ontario.

The school is a single storey structure, with a total area of 18,000 square feet. The original building was constructed in 1956. In addition to the investigation for asbestos and mould, the school was evaluated for the presence of any other designated substances.

Under the *Occupational Health & Safety Act* (OSHA), an owner must determine whether any Designated Substances are present at a site and is required to prepare a list of all Designated Substances that are present. These substances may require special handling procedures. The current OHSA regulation lists the following eleven (11) substances as Designated Substances in the workplace: acrylonitrile, arsenic, asbestos, benzene, coke oven emissions, ethylene oxide, isocyanates, lead, mercury, silica and vinyl chloride.

Based on the estimated construction date and the reported use of the building, the review undertaken by OHS targeted asbestos, lead, mercury, and silica which, in our experience, are most likely to be present on-site.

The following report explains our survey methodology and summarizes the hazardous building materials found at the Site.

2.0 SURVEY METHODOLOGY

During this investigation the surveyor inspected the building for construction material suspected of containing asbestos after reviewing previous reports and database information. In addition, the surveyor inspected the building for construction materials suspected of containing other Designated Substances.

Note:

- Repetitive testing was generally not performed. Items, which were visually similar to others tested, were considered to be of like material and were not sampled again. However, due to the variable nature of some products, several samples may have been collected of some materials.

- No destructive testing was performed. The inaccessible spaces within the building were not inspected. This includes areas above plaster or

drywall ceilings (in the absence of access panels) as well as shafts, chases and bulkheads. Similarly, doors, motors and other equipment were not disassembled to determine composition.

- Vinyl sheet flooring and vinyl asbestos tiles have been recorded where observed, but may not be identified where they are present beneath multiple layers of flooring.

There was no access to the roof at the time of the assessment.

2.1 Asbestos

No additional asbestos bulk samples were collected as a part of this re-assessment.

2.2 Other Hazardous Building Materials and Designated Substances

All other hazardous building materials or Designated Substances were identified based on visual assessment and historical usage.

3.0 REGULATORY REQUIREMENTS

"Designated Substance" as defined by the Ontario *Occupational Health & Safety Act* (OHSA) means "a biological, chemical or physical agent or combination thereof prescribed as a Designated Substance to which the exposure of a worker is prohibited, regulated, restricted, limited or controlled." Under Section 30 of the OHSA an owner is required to determine whether any Designated Substances are present at a project site before beginning construction. If any portion of the project is tendered, the person issuing the tenders is required to list the Designated Substances present at the project site. The constructor is then required to ensure that every contractor and sub-contractor receives a copy of the list.

Designated Substances are regulated under Ontario Regulation 490/09, which identifies the occupational exposure limits for these materials. Under Subsection 3(3) of the Regulation, construction projects are excluded from the OELs and most of the other requirements of the Regulation. For this reason, the Ministry of Labour (MOL) has issued regulations and guidelines to cover asbestos, lead and silica on construction.

Ontario Regulation 278/05 classifies all disturbance of asbestos as Type 1, Type 2 or Type 3, each of which is associated with defined work practices. All asbestos material waste is subject to special handling and disposal practices, and must be removed prior to partial or full demolition. Removal of any quantity of asbestos of more than 1m2 requires notification of the MOL. Disposal of asbestos waste is

subject to waste management regulations under Ontario Regulation 347/90 as amended to Ontario Regulation 102/07.

The Guidelines: “Silica on Construction Projects” and “Lead on Construction Projects” identify precautions required for various activities that may disturb silica, or lead during construction, renovation or maintenance activities.

The MOL guideline for the control of lead exposures during the removal of lead on construction projects does not include criteria for categorizing lead paint. The Ontario Ministry of Labour (MOL) does not have a standard to state what percentage of lead a material must have to be considered lead-containing. The Environmental Abatement Council of Ontario (EACO) has issued a “Lead Guideline for Construction, Renovation, Maintenance or Repair”. This guideline recommends procedures to protect against lead exposure when concentrations of lead in paint exceed 0.1% by weight, but suggests that finishes with concentrations below 0.1% by weight do not require lead specific precautions provided the material is not disturbed in an aggressive manner (e.g. grinding or sandblasting) and that general dust control is adequate.

There are currently no regulations specifically covering exposure to mould or outlining mould remediation practices. In addition, there are no occupational exposure limits stating acceptable levels of exposure without adverse health effects.

However, Sections 25 and 27 of the Ontario *Occupational Health and Safety Act* states that an employer must take every reasonable precaution to ensure the health and safety of their workers. This includes exposure to moulds.

4.0 RESULTS

4.1 Asbestos-Containing Materials

Asbestos is a general name for several varieties of highly fibrous silicate minerals. Commercially significant types of asbestos include chrysotile, amosite and crocidolite. The fibres are valued for their heat and chemical resistance properties. The combination of fibrous structures, low heat conductivity, high electrical resistance, chemical inertness, strength and flexibility, as well as its effectiveness as a reinforcing or binding agent when combined with cement and/ or plastic, made asbestos popular for widespread industrial use.

One measure of the potential hazard of ACM is its friability. The Ontario Ministry of Labour asbestos regulation defines a friable material as one when dry can be crumbled, pulverized or powdered by hand pressure. The friability of ACM is considered a significant indicator of the ease with which fibres may be released

into the air. Non-friable products with bound asbestos pose no danger of releasing airborne fibres unless cut, broken up or otherwise physically abraded.

The following is a summary of the asbestos-containing or asbestos-suspect materials that were encountered at St. Elizabeth School. A detailed summary of asbestos materials identified in the building are included in Appendix II.

4.1.1 Sprayed Fireproofing

No sprayed fireproofing was encountered in the survey of this facility.

4.1.2 Texture Finishes

Texture coat present has been sampled (by others) and found to be asbestos free.

4.1.3 Acoustic Ceiling Tiles

No asbestos-containing acoustic tiles were encountered in the re-assessment of this facility.

4.1.4 Mechanical Insulation

Both asbestos-containing and non-asbestos mechanical insulation are present in the school. Asbestos-containing mechanical insulation has been removed in recent renovation, but may still be present in inaccessible areas.

4.1.5 Plaster and Drywall

As a part of a previous re-assessment, a total of 7 plaster samples were collected and submitted for analysis. No asbestos was detected in any of the samples collected. On the basis of these sample results, plaster in this building can be assumed to be non-asbestos.

Drywall compound used in construction prior to 1988 should be considered asbestos-suspect.

4.1.6 Asbestos Cement Sheets

Asbestos cement or “transite” tile is present above ceiling in the front foyer.

4.1.7 Vinyl Floor Tiles

The vinyl floor tiles in the facility have been assumed to contain asbestos. These products are non-friable, and as such are not expected to release airborne asbestos fibre under normal conditions of building use. If a large quantity of floor tile is to be removed, it may be practical to verify the presence of asbestos at that time.

4.2 Lead

Painted finishes in the building were not sampled. Lead may be present in some finishes within the building.

4.3 Mercury

Mercury is present in thermostats and within fluorescent light tubes located within the building.

4.4 Silica

Common construction sand contains free crystalline silica and is present in concrete products, mortar, brick, etc. These construction products are typically found throughout building structures.

4.5 Acrylonitrile, Benzene, Isocyanates, Arsenic, Ethylene Oxide, Vinyl Chloride and Coke Oven Emissions

Evidence suggesting the presence of acrylonitrile, benzene, isocyanates, arsenic, ethylene oxide, vinyl chloride monomer or coke oven emissions was not observed at St. Elizabeth School.

4.6 Mould

In recent years, contamination of buildings with mould has become a major concern. Mould growth will occur on any water damaged building material. Evidence does exist to support the relationship between exposure to mould in buildings and many health effects.

This re-assessment included the inspection of areas for visible mould growth. In the absence of occupants experiencing symptoms, the inspection for and remediation of visible mould present in the building will be an appropriate response to the issue. Where occupants are experiencing symptoms, in the absence of visible mould growth, some invasive inspection may be necessary to find potential sources of mould. In general this was beyond the scope of this assessment.

Although some evidence of water damage was present, visible mould was not evident in the course of this inspection. Locations where water stained/damaged tiles were identified are outlined in the following table:

Location	Quantity of Water Damaged Material
Location 02 Corridor CR 1-1	2 stained ceiling tiles.

Location 03 Corridor CR 1-4	3 stained ceiling tiles.
Location 07 Library 112	2 stained ceiling tiles.
Location 11 Work Room 110	1 stained ceiling tile.
Location 12 Work Room 110A	1 stained ceiling tile.
Location 14 Girls Washroom 107	3 stained ceiling tiles.
Location 17 Classroom 117	1 stained ceiling tile.
Location 18 Classroom 120	2sf water staining on cork board on exterior wall.
Location 28 Principal's Office 100A	1 stained ceiling tile.
Location 29 Vice Principal's Office 100B	1 stained ceiling tile.
Location 30 Washroom 100C	2 stained ceiling tiles.
Clinic Room 132	1 stained ceiling tile.
Classroom 109	2sf water staining on cork board on exterior wall.
Classroom 113	2sf water staining on textured ceiling.
Classroom 114	5sf water staining on textured ceiling.

5.0 RECOMMENDATIONS

The following recommendations are made with respect to Designated Substances noted at St. Elizabeth School:

5.1 Asbestos

5.1.1 Asbestos Management Program

Since asbestos-containing materials were identified at this facility, the building is subject to the requirement for an Asbestos Management Program, as specified under Ontario Regulation 278/05.

5.1.2 Specific Recommendations

5.1.2.1 Mechanical Insulation

Any activity, which will disturb asbestos-containing mechanical insulation, is governed by the procedures outlined in Reg. 278/05. The disturbance of less than nine linear feet (or nine parged fittings or nine square feet of parging cement) of asbestos-containing mechanical insulation may be performed as a Type 2 operation, while any greater disturbance requires Type 3 precautions.

5.1.2.2 Drywall Joint Compound

The sampling of drywall compound was not performed during this assessment. If any disturbance of these materials is planned, sampling should be performed in advance.

Removal of more than 1 square metre (9 square feet), of drywall compound containing asbestos requires Type 2 procedures under Reg. 278/05.

5.1.2.3 Vinyl Floor Tiles

Vinyl floor tiles may be removed, with manually powered tools, following the Type 1 procedures outlined in Reg. 278/05. The use of powered equipment on non-friable asbestos materials, an activity which could result in the release of airborne fibre, must be performed under Type 3 precautions.

5.1.2.4 Asbestos Cement Board

The transite present in the building has been visually identified as a non-friable asbestos product. This product is non-friable, and as such is not expected to release airborne asbestos fibre under normal use.

Transite may be altered or removed, with manually powered tools, following the Type 1 procedures outlined in Reg. 278/08. The use of powered equipment on asbestos cement products must be performed under Type 3 precautions.

5.2 Lead

Although samples were not collected, it should be assumed that lead is present within paint finishes at the site. As a result, the handling or disturbance of painted finishes should be evaluated to help ensure that workers are not adversely affected.

The lead-containing materials in the building will not generate airborne lead dust in the absence of disturbance. However, significant lead dust levels can result when uncontrolled work procedures are used on lead-based materials. The control of dust levels during the demolition of the buildings can be accomplished through proper work practises such as wetting the surface of the materials to reduce overall dust levels and providing workers with washing facilities and proper respiratory protection.

The procedures outlined in the MOL document 'Guideline – Lead on Construction Projects' (2004) should provide an adequate standard for the handling or disturbance of the material.

The disposal of construction waste containing lead is controlled under Ontario Regulation 347, as amended by O. Reg. 102/07, and may be subject to Leachate Criteria (Schedule 4) of this regulation.

5.3 Mercury

The presence of mercury in fluorescent light tubes and thermostats poses minimal risk to occupants or workers provided the equipment is handled properly and the mercury is not allowed to escape. In the event of future renovations, light tubes and thermostat tubes should be removed intact to prevent the mercury vapour from escaping.

It is good management practice to take precautions to prevent mercury vapours from becoming airborne during building demolition. Exposure to airborne mercury is regulated under Ontario Regulation 490/09 made under the *Occupational Health and Safety Act*. The current TWAEV for mercury vapour is 0.025 mg/m^3 (except alkyl compounds).

Mercury waste must be handled and disposed of according to Ontario Regulation 347, as amended by O. Reg. 102/07, and may be subject to Leachate Criteria (Schedule 4) of this regulation.

5.4 Silica

Disturbance of materials containing silica will occur during demolition of walls and ceilings, saw cutting floor slabs and removal of lay-in acoustic ceiling tiles

containing silica and is regulated under Ontario Regulation 490/09. The current TWAEV for amorphous fused silica is 0.1 mg/m^3 and is 0.05 mg/m^3 for crystalline silica (quartz). This can be accomplished through proper work practises such as wetting the surface of the materials to reduce overall dust levels and providing workers with washing facilities and proper respiratory protection.

5.5 Mould

Mould growth on building materials was not observed during this investigation. At this time, no further action is required regarding conditions observed. However water damaged acoustic tiles, textured ceiling and cork board were observed throughout the school. OHS recommends that this material be removed to reduce the potential for mould growth on the water impacted surface.

Moisture issues are the only factor in the growth of mould that may be controlled by the building operator. Any existing moisture problems in the building must be addressed to prevent or control mould growth. The following general recommendations are made to reduce the potential for future mould growth within the building:

- Promptly respond to any water infiltration, including minor leaks.
- Where HVAC units permit, maintain relative humidity below 60%.
- Maintain caulking at sinks, bathrooms and at exterior locations.

In the event of a flood, remove water by pumping or vacuuming as soon as possible. Drying of construction and finishing materials must begin promptly (in less than 24 hours). It may be practical to remove and dispose of some wetted materials, (e.g. drywall and carpet) in some cases.

6.0 LIMITATIONS AND WARRANTY

OHS has prepared this report for the exclusive use of the Client in evaluating the Site at the time of OHS's assessment. OHS will not be responsible for the use of this report by any third party, or reliance on or any decision to be made based on it without the prior written consent of OHS. OHS accepts no responsibility for damages, if any, by any third party because of decisions or actions based on this report.

The findings and conclusions documented in this report have been prepared for specific application to this project and have been developed in a manner consistent with that level of care and skill normally exercised by qualified professionals currently practising in this area of environmental assessment. No other warranty, expressed or implied, is made.

The findings contained in this report are based upon conditions as they were observed at the time of investigation. No assurance is made regarding changes in conditions subsequent to the time of investigation.

If new information is developed in future work, OHS should be contacted to re-evaluate the conclusions of this report and to provide amendments as required.

Respectfully submitted,

OH Solutions Inc.

Kris Olson, P.Eng.
Senior Project Manager

APPENDIX I

BULK SAMPLING RESULTS

(From Previous Assessments)

PINCHIN
Environmental

Pinchin Environmental

Asbestos Samples Report

Project #: 13256 **Client Name:** St. Clair Catholic District School Board

Building #: 21 **Building Name:** St. Elizabeth School Wallaceburg **Survey Date:** 08/21/2007

Sample Number	System	Material	Location Number	Has Asbestos	Phase One		Phase Two		Description
					Asb. Type	Result	Asb. Type	Result	
0001	Piping	Cellulose	1	√	Chrysotile	25-50%	No Result	NR	Cellulose straight pipe insulation
0002	Piping	Parging Cement	1	√	Chrysotile	50-75%	No Result	NR	Parging cement pipe fittings
0003	Walls	Plaster	1		None Detected	ND	No Result	NR	Top layer of plaster
0004	Walls	Plaster	1		None Detected	ND	No Result	NR	Bottom layer of plaster
0005	Other	Parging Cement	1		None Detected	ND	No Result	NR	firestop material
0006	Ceiling	Lay-in tiles	2		None Detected	ND	No Result	NR	Lay-in ceiling tiles
0007	Ceiling	Lay-in tiles	3		None Detected	ND	No Result	NR	Lay-in ceiling tiles
0008	Ceiling	Lay-in tiles	4		None Detected	ND	No Result	NR	Lay-in ceiling tiles
0009	Ceiling	Texture Coat	4		None Detected	ND	No Result	NR	Texture coat finish
0010	Ceiling	Glued-on tiles	5	√	Chrysotile	0.5-5%	No Result	NR	Stuck-on ceiling tiles
0011	Ceiling	Lay-in tiles	6		None Detected	ND	No Result	NR	Lay-in ceiling tiles
0012	Ceiling	Lay-in tiles	11		None Detected	ND	No Result	NR	Lay-in ceiling tiles
0013	Ceiling	Glued-on tiles	13		None Detected	ND	No Result	NR	Stuck-on ceiling tiles
0014	Ceiling	Glued-on tiles	20		None Detected	ND	No Result	NR	Stuck-on ceiling tiles
0015	Walls	Plaster	22		None Detected	ND	No Result	NR	Top layer of plaster
0016	Walls	Plaster	22		None Detected	ND	No Result	NR	Bottom layer of plaster
0017	Ceiling one	Texture Coat	25		None Detected	ND	No Result	NR	Texture coat finish
0018	Ceiling two	Texture Coat	25		None Detected	ND	No Result	NR	Texture coat finish
0101	Walls	Plaster	1		None Detected	ND	None Detected	ND	Wall Plaster
0102	Walls	Plaster	14		None Detected	ND	None Detected	ND	Wall Plaster
0103	Walls	Plaster	33		None Detected	ND	None Detected	ND	Wall Plaster
0104	Walls	Plaster	19		None Detected	ND	None Detected	ND	Wall Plaster
0105	Walls	Plaster	17		None Detected	ND	None Detected	ND	Wall Plaster

PINCHIN
Environmental

Pinchin Environmental

Asbestos Samples Report

Project #: 13256 **Client Name:** St. Clair Catholic District School Board

Building #: 21 **Building Name:** St. Elizabeth School Wallaceburg **Survey Date:** 08/21/2007

Sample Number	System	Material	Location Number	Has Asbestos	Phase One		Phase Two		Description
					Asb. Type	Result	Asb. Type	Result	
0106	Walls	Plaster	24	☐	None Detected	ND	None Detected	ND	Wall Plaster
0107	Ceiling	Glued-on tiles	20	☐	None Detected	ND	None Detected	ND	1 x 1 stick on tile

APPENDIX II

UPDATED ROOM-BY-ROOM ASBESTOS MATERIALS SUMMARY

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity		Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Building Number : SC 21		**Building Name :** St. Elizabeth School Wallacebu						**Survey Date :** 8/27/2015		
Level : LOC 01 - First Floor		**Room :** 101 - Boiler Room						**Asbestos Present :** Potentially		
Ceiling	Non-Asbestos Plaster									V0003
Ceiling	Non-Asbestos Plaster									V0004
Duct	Uninsulated									
Floor	Concrete									
Mechanical	Boiler									
Mechanical	Uninsulated Breeching									
Piping	Fibreglass Fitting with PVC									
Piping	Fibreglass Straight Run									
Structure	Inaccessible									
Wall	Masonry									
Wall	Non-Asbestos Plaster									S0003
Wall	Non-Asbestos Plaster									S0004
Comments: No access above ceiling.										
Silica present in refractory brick of chimney at this location.										
Level : LOC 02 - First Floor		**Room :** Corridor						**Asbestos Present :** Potentially		
Ceiling	Non-Asbestos Lay-in Tile									S0006
Ceiling	Suspect Drywall Compound	1,050.0	SF	Good		C	8	No	No	
Duct	Inaccessible									
Floor	Terrazzo									
Mechanical	Inaccessible									

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity		Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Piping	Fibreglass Straight Run									
Structure	Inaccessible									
Wall	Masonry									
Wall	Suspect Drywall Compound	500.0	SF	Good		A	8	Yes	No	
Comments: No access above ceiling.										
Level : LOC 03 - First Floor		**Room :** Corridor				**Asbestos Present :** Potentially				
Ceiling	Non-Asbestos Lay-in Tile									S0007
Ceiling	Suspect Drywall Compound	400.0	SF	Good		C	8	No	No	
Duct	Inaccessible									
Floor	Terrazzo									
Mechanical	Inaccessible									
Piping	Fibreglass Straight Run									
Structure	Inaccessible									
Wall	Masonry									
Wall	Suspect Drywall Compound	500.0	SF	Good		A	8	Yes	No	
Comments: No access above ceiling.										
Level : LOC 04 - First Floor		**Room :** Front Lobby				**Asbestos Present :** Potentially				
Ceiling	Non-Asbestos Lay-in Tile									S0008
Ceiling	Suspect Drywall Compound	180.0	SF	Good		C	8	No	No	
Duct	Inaccessible									
Floor	Terrazzo									

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity		Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Mechanical	Inaccessible									
Piping	Inaccessible									
Structure	Inaccessible									
Wall	Masonry									
Wall	Suspect Drywall Compound	100.0	SF	Good		A	8	Yes	No	

Comments: No access above ceiling.

Level : LOC 05 - First Floor **Room :** Corridor **Asbestos Present :** Potentially

Ceiling	Non-Asbestos Lay-in Tile									
Duct	Not Found									
Floor	Terrazzo									
Mechanical	Not Found									
Piping	Not Found									
Structure	Steel Beam, Deck & Joist									
Wall	Masonry									
Wall	Suspect Drywall Compound	10.0	SF	Good		A	8	Yes	No	

Comments:

Level : LOC 06 - First Floor **Room :** Corridor **Asbestos Present :** Potentially

Ceiling	Non-Asbestos Lay-in Tile									S0011
Duct	Fibreglass									
Floor	Terrazzo									
Mechanical	Not Found									
Piping	Fibreglass Straight Run									

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity		Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Structure	Steel Beam, Deck & Joist									
Wall	Masonry									
Wall	Suspect Drywall Compound	25.0	SF	Good		C	8	Yes	No	

Comments:

Level : LOC 07 - First Floor **Room :** 112 - Library **Asbestos Present :** No

Ceiling	Non-Asbestos Lay-in Tile	V0011
Duct	Not Found	
Floor	Non-Asbestos Vinyl Tile - New	
Mechanical	Not Found	
Piping	Not Found	
Structure	Wood Deck & Joist	
Wall	Masonry	
Wall	Wood	

Comments:

Thermometer in this location

Level : LOC 08 - First Floor **Room :** 111 - Gymnasium **Asbestos Present :** No

Ceiling	Not Found
Duct	Not Found
Floor	Non-Asbestos Vinyl Tile
Piping	Fibreglass Rain Water Leader
Piping	Fibreglass Straight Run
Structure	Steel Beam, Deck

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity	Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Wall	Masonry								
Wall	Non-Asbestos 1 x 1 Tile								
Wall	Non-Asbestos Plaster								V0016
Wall	Non-Asbestos Plaster								V0017

Comments:

Level : LOC 09 - First Floor **Room :** Stage **Asbestos Present :** No

Ceiling	Not Found
Duct	Uninsulated
Floor	Wood
Mechanical	Exchanger
Piping	Fibreglass Rain Water Leader
Piping	Fibreglass Straight Run
Structure	Steel Beam, Deck & Joist
Wall	Masonry

Comments:

Level : LOC 10 - First Floor **Room :** 111A - Storage Room **Asbestos Present :** No

Ceiling	Not Found
Duct	Not Found
Floor	Non-Asbestos Vinyl Tile
Mechanical	Not Found
Piping	Uninsulated
Structure	Concrete Deck

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity	Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Wall	Masonry								
Wall	Wood								

Comments:

Level : LOC 11 - First Floor **Room :** 110 - Storage Room **Asbestos Present :** Potentially

Ceiling	Non-Asbestos Lay-in Tile								S0012
Ceiling	Non-Asbestos Lay-in Tile								V0011
Duct	Not Found								
Floor	Non-Asbestos Vinyl Tile								
Mechanical	Not Found								
Piping	Not Found								
Structure	Inaccessible								
Wall	Masonry								

Comments: No access above ceiling.

Level : LOC 12 - First Floor **Room :** 110A - Work Room **Asbestos Present :** Potentially

Ceiling	Non-Asbestos Lay-in Tile								V0011
Duct	Not Found								
Floor	Non-Asbestos Vinyl Tile								
Mechanical	Not Found								
Piping	Fibreglass Straight Run								
Structure	Inaccessible								
Wall	Masonry								

Comments: Limited access above ceiling.

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity		Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Level : LOC 13 - First Floor		**Room :** 108 - Classroom				**Asbestos Present :** Potentially				
Ceiling	Non-Asbestos 1 x 1 Tile									V0013
Ceiling	Non-Asbestos Lay-in Tile									V0006
Duct	Inaccessible									
Floor	Non-Asbestos Vinyl Tile									
Mechanical	Inaccessible									
Piping	Uninsulated									
Structure	Inaccessible									
Wall	Suspect Drywall Compound	100.0	%	Good		A	8	Yes	No	
Comments: No access above ceiling. Possible ACM in horizontal wall cavity										
Level : LOC 14 - First Floor		**Room :** 105/107 - Washroom				**Asbestos Present :** No				
Ceiling	Non-Asbestos Lay-in Tile									
Duct	Inaccessible									
Floor	Non-Asbestos Vinyl Tile									
Mechanical	Inaccessible									
Piping	Uninsulated									
Structure	Inaccessible									
Wall	Non-Asbestos Drywall Compound - New									
Wall	Suspect Drywall Compound	100.0	%	Good		A	8	Yes	No	

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity	Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample

Comments:

Room was renovated into Female and Male Washroom/change Room
Includes 105, 105a, 107 and 107a

Level : LOC 15 - First Floor **Room :** 103 - Classroom **Asbestos Present :** Potentially

Ceiling	Non-Asbestos 1 x 1 Tile								V0013
Ceiling	Non-Asbestos Lay-in Tile								V0006
Duct	Inaccessible								
Floor	Non-Asbestos Vinyl Tile								
Mechanical	Inaccessible								
Piping	Uninsulated								
Structure	Inaccessible								
Wall	Suspect Drywall Compound	100.0 %	Good		A	8	Yes	No	

Comments: No access above ceiling.

Level : LOC 16 - First Floor **Room :** 118 - Classroom **Asbestos Present :** Potentially

Ceiling	Non-Asbestos 1 x 1 Tile								V0013
Ceiling	Non-Asbestos Lay-in Tile								V0006
Ceiling	Non-Asbestos Plaster								V0017
Ceiling	Non-Asbestos Plaster								V0016
Duct	Inaccessible								
Floor	Non-Asbestos Vinyl Tile								
Mechanical	Inaccessible								
Piping	Uninsulated								

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity	Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Structure	Inaccessible								
Wall	Non-Asbestos Plaster								V0017
Wall	Non-Asbestos Plaster								V0016
Wall	Suspect Drywall Compound	100.0 %	Good		A	8	Yes	No	

Comments: No access above ceiling.

Level : LOC 17 - First Floor **Room :** 117 - Classroom **Asbestos Present :** Potentially

Ceiling	Non-Asbestos Lay-in Tile								
Ceiling	Non-Asbestos Plaster								V0016
Ceiling	Non-Asbestos Plaster								V0015
Duct	Not Found								
Floor	Non-Asbestos Vinyl Tile								
Mechanical	Not Found								
Piping	Not Found								
Structure	Inaccessible								
Wall	Non-Asbestos Drywall Compound - New								
Wall	Non-Asbestos Plaster								V0015
Wall	Non-Asbestos Plaster								V0016

Comments: Limited access above ceiling.

Renovated, includes location 25 and 26

Level : LOC 18 - First Floor **Room :** 120 - Classroom **Asbestos Present :** Potentially

Ceiling	Non-Asbestos 1 x 1 Tile								V0013

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity		Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Ceiling	Non-Asbestos Lay-in Tile									V0006
Ceiling	Non-Asbestos Plaster									V0016
Ceiling	Non-Asbestos Plaster									V0017
Duct	Inaccessible									
Floor	Non-Asbestos Vinyl Tile									
Mechanical	Inaccessible									
Piping	Uninsulated									
Structure	Inaccessible									
Wall	Non-Asbestos Plaster									V0016
Wall	Non-Asbestos Plaster									V0017
Wall	Suspect Drywall Compound	100.0	%	Good		A	8	Yes	No	

Comments: No access above ceiling.

Level : LOC 19 - First Floor **Room :** 123 - Classroom **Asbestos Present :** Potentially

Ceiling	Non-Asbestos 1 x 1 Tile									V0013
Ceiling	Non-Asbestos Lay-in Tile									V0006
Duct	Inaccessible									
Floor	Non-Asbestos Vinyl Tile									
Mechanical	Inaccessible									
Piping	Uninsulated									
Structure	Inaccessible									
Wall	Non-Asbestos Drywall Compound - New									
Wall	Suspect Drywall Compound	100.0	%	Good		A	8	Yes	No	

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity		Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Comments:	No access above ceiling.									
	Renovated, wall removed									
Level :	LOC 20 - First Floor	**Room :**	122/124/126 - Child Care			**Asbestos Present :**		Potentially		
Ceiling	Non-Asbestos 1 x 1 Tile									S0014
Ceiling	Non-Asbestos Lay-in Tile									
Duct	Not Found									
Floor	Non-Asbestos Vinyl Flooring									
Floor	Non-Asbestos Vinyl Tile									
Mechanical	Not Found									
Piping	Fibreglass Straight Run									
Piping	Uninsulated									
Structure	Wood Beam, Deck									
Wall	Masonry									
Wall	Non-Asbestos Drywall Compound - New									
Wall	Suspect Drywall Compound	100.0	%	Good		A	8	Yes	No	
Comments:										
	Renovated into 2 washrooms and rooms 122, 124, office 126 and 2 washrooms 122a and 124a									
Level :	LOC 21 - First Floor	**Room :**	128 - Special Needs Room			**Asbestos Present :**		Potentially		
Ceiling	Non-Asbestos Lay-in Tile									
Duct	Fibreglass									
Duct	Uninsulated									
Floor	Non-Asbestos Vinyl Tile									

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity		Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Mechanical	Not Found									
Piping	Fibreglass Straight Run									
Piping	Uninsulated									
Wall	Non-Asbestos Drywall Compound - New									
Wall	Non-Asbestos Plaster									V0015
Wall	Non-Asbestos Plaster									V0016
Wall	Suspect Drywall Compound	100.0	%	Good		A	8	Yes	No	

Comments:

Renovated, includes location 21, 22, 23 and 24 from previous survey

Level : LOC 27 - First Floor **Room :** 100 - Office **Asbestos Present :** Potentially

Ceiling	Non-Asbestos Lay-in Tile									V0008
Ceiling	Suspect Drywall Compound	420.0	SF	Good		C	8	Yes	No	
Duct	Inaccessible									
Floor	Non-Asbestos Vinyl Tile									
Floor	Terrazzo									
Mechanical	Inaccessible									
Piping	Inaccessible									
Structure	Inaccessible									
Wall	Suspect Drywall Compound	100.0	%	Good		A	8	Yes	No	

Comments: No access above ceiling.

Level : LOC 28 - First Floor **Room :** 100A - Principal's Office **Asbestos Present :** Potentially

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity		Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Ceiling	Non-Asbestos Lay-in Tile									V0008
Ceiling	Suspect Drywall Compound	100.0	%	Good		C	8	Yes	No	
Duct	Inaccessible									
Floor	Carpet									
Mechanical	Inaccessible									
Piping	Inaccessible									
Structure	Inaccessible									
Wall	Non-Asbestos Plaster									V0015
Wall	Non-Asbestos Plaster									V0016
Wall	Suspect Drywall Compound	100.0	%	Good		A	8	Yes	No	

Comments: No access above ceiling.

Level : LOC 29 - First Floor **Room :** 100B - Vice Principal's Office **Asbestos Present :** Potentially

Ceiling	Non-Asbestos Lay-in Tile									V0008
Ceiling	Suspect Drywall Compound	100.0	%	Good		C	8	Yes	No	
Duct	Inaccessible									
Floor	Carpet									
Mechanical	Inaccessible									
Piping	Inaccessible									
Structure	Inaccessible									
Wall	Non-Asbestos Plaster									V0015
Wall	Non-Asbestos Plaster									V0016
Wall	Suspect Drywall Compound	100.0	%	Good		A	8	Yes	No	

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity		Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Comments: No access above ceiling.										
Level : LOC 30 - First Floor		**Room :** 100C - Washroom				**Asbestos Present :** Potentially				
Ceiling	Non-Asbestos 1 x 1 Tile									V0013
Ceiling	Non-Asbestos Lay-in Tile									V0008
Ceiling	Suspect Drywall Compound	100.0	%	Good		C	8	Yes	No	
Duct	Inaccessible									
Floor	Suspect Vinyl Floor Tile	30.0	SF	Good		A	8	Yes	No	
Mechanical	Rad									
Piping	Uninsulated									
Structure	Inaccessible									
Wall	Non-Asbestos Plaster									V0016
Wall	Non-Asbestos Plaster									V0015
Wall	Suspect Drywall Compound	100.0	%	Good		A	8	Yes	No	
Comments: No access above ceiling. Vinyl Floor Tile Assumed to Contain Asbestos										
Level : LOC 31 - First Floor		**Room :** 100D - Corridor				**Asbestos Present :** Potentially				
Ceiling	Non-Asbestos Lay-in Tile									V0008
Ceiling	Non-Asbestos Plaster									V0016
Ceiling	Non-Asbestos Plaster									V0015
Ceiling	Suspect Drywall Compound	100.0	%	Good		C	8	Yes	No	
Duct	Inaccessible									
Floor	Carpet									

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity	Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Mechanical	Inaccessible								
Piping	Inaccessible								
Structure	Inaccessible								
Wall	Non-Asbestos Plaster								V0015
Wall	Non-Asbestos Plaster								V0016
Wall	Suspect Drywall Compound	100.0 %	Good		A	8	Yes	No	

Comments: No access above ceiling.

Level : LOC 32 - First Floor **Room :** Custodial Closet **Asbestos Present :** Potentially

Ceiling	Non-Asbestos Plaster								V0016
Ceiling	Non-Asbestos Plaster								V0015
Duct	Inaccessible								
Floor	Non-Asbestos Vinyl Tile								
Mechanical	Inaccessible								
Piping	Inaccessible								
Structure	Inaccessible								
Wall	Non-Asbestos Plaster								V0015
Wall	Non-Asbestos Plaster								V0016
Wall	Vinyl Panel								

Comments: No access above ceiling.

Level : LOC 33 - First Floor **Room :** 102 - Electrical Room **Asbestos Present :** Yes

Ceiling	Non-Asbestos Plaster								V0015
Ceiling	Non-Asbestos Plaster								V0016

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity		Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Duct	Inaccessible									
Floor	Suspect Vinyl Floor Tile	80.0	SF	Good		A	7	Yes	No	
Mechanical	Inaccessible									
Piping	Uninsulated									
Structure	Inaccessible									
Wall	Non-Asbestos Plaster									V0015
Wall	Non-Asbestos Plaster									V0016

Comments: No access above ceiling.

Vinyl Floor Tile Assumed to Contain Asbestos (9 x 9)

Level : LOC 34 - First Floor **Room :** 106 - Staff Room **Asbestos Present :** Potentially

Ceiling	Non-Asbestos 1 x 1 Tile									V0013
Ceiling	Non-Asbestos Lay-in Tile									V0006
Ceiling	Non-Asbestos Plaster									V0016
Ceiling	Non-Asbestos Plaster									V0015
Duct	Inaccessible									
Floor	Non-Asbestos Vinyl Tile									
Mechanical	Inaccessible									
Piping	Poly Vinyl Chloride (PVC)									
Structure	Inaccessible									
Wall	Non-Asbestos Plaster									V0015
Wall	Non-Asbestos Plaster									V0016
Wall	Suspect Drywall Compound	100.0	%	Good		A	8	Yes	No	

Comments: No access above ceiling.

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

OH SOLUTIONS

Design	Description	Quantity		Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample
Level : LOC 35 - First Floor		**Room :** 106A/104 - Work Room				**Asbestos Present :** Potentially				
Ceiling	Non-Asbestos 1 x 1 Tile									V0013
Ceiling	Non-Asbestos Lay-in Tile									V0006
Duct	Inaccessible									
Floor	Non-Asbestos Vinyl Tile									
Mechanical	Inaccessible									
Piping	Inaccessible									
Structure	Inaccessible									
Wall	Non-Asbestos Plaster									V0016
Wall	Non-Asbestos Plaster									V0015
Wall	Suspect Drywall Compound	100.0	%	Good		A	8	Yes	No	
Comments: No access above ceiling. Renovated, includes work room and washroom										
Level : LOC 36 - First Floor		**Room :** 106B - Washroom				**Asbestos Present :** Potentially				
Ceiling	Non-Asbestos Lay-in Tile									V0006
Ceiling	Suspect Drywall Compound	40.0	SF	Good		C	8	Yes	No	
Duct	Inaccessible									
Floor	Non-Asbestos Vinyl Tile									
Mechanical	Inaccessible									
Piping	Inaccessible									
Structure	Inaccessible									
Wall	Suspect Drywall Compound	100.0	%	Good		A	8	Yes	No	

Asbestos Status Report

(sorted by Building Number)

UPPER(BUILD:BuildingNumber) = 'SC 21'

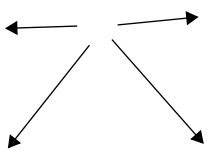
OH SOLUTIONS

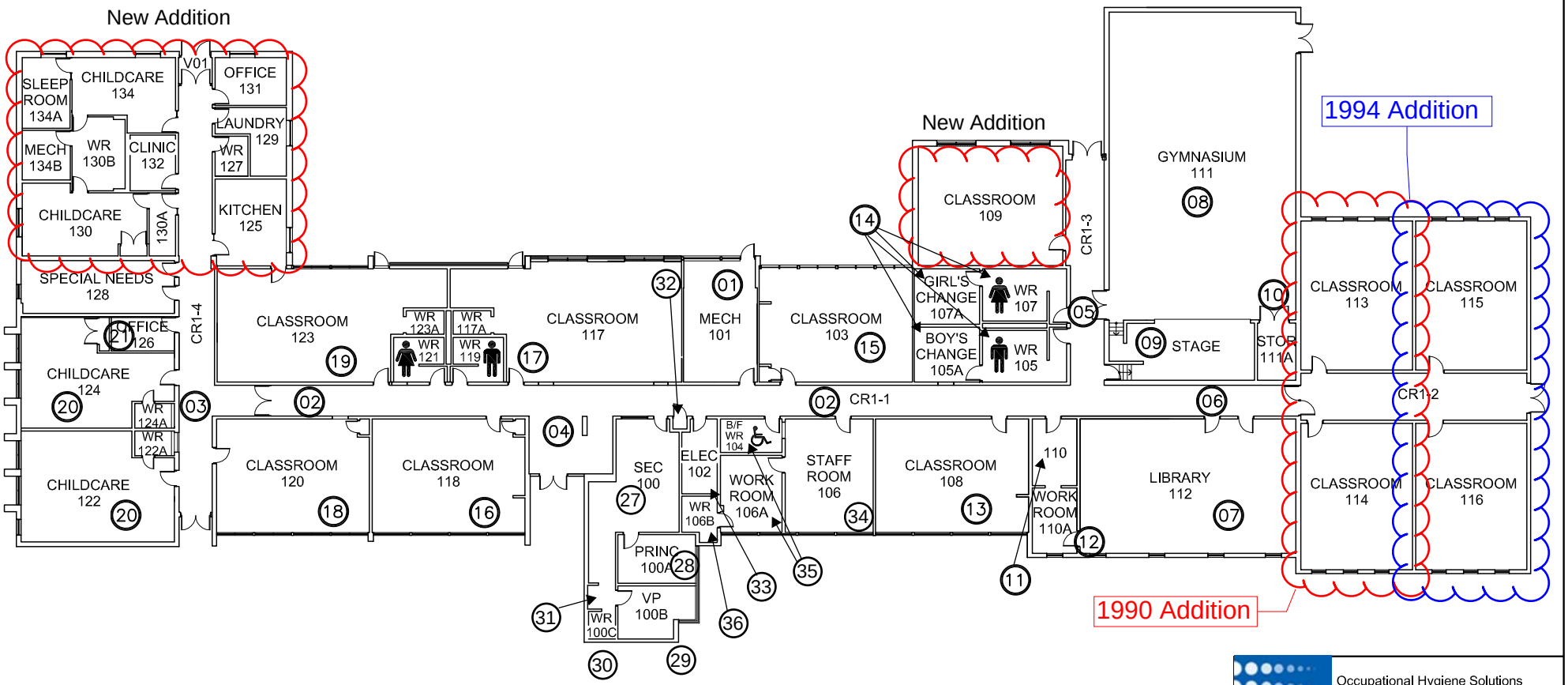
Design	Description	Quantity	Cond.	Asbestos type	Access.	Action	Visible	Friable	Sample

Comments: No access above ceiling.

APPENDIX III

DRAWINGS OUTLINING INSPECTION LOCATIONS





Occupational Hygiene Solutions
119 Thames Street South
Ingersoll, Ontario
N5C 2T3

St. Clair Catholic School Board

St. Elizabeth School Wallaceburg

Main Floor Survey Locations

Project:	Prepared by:
15-0543	AW
Scale: N.T.S.	Date: Apr 2016