

DESIGNATED SUBSTANCES AND HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT

**Roof Replacement & Window Rehabilitation Project
Eva Phoenix Transitional Housing
60 Brant Street
Toronto, Ontario**

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Safetech Project Number: 1-3260479

**Date of Site Work: May 29, 2026
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TABLE OF CONTENTS

EXECUTIVE SUMMARY	i
1.0 Introduction.....	1
1.1 Background and Objectives	1
1.2 Scope of Work	2
1.3 Description of Area(s) Assessed.....	3
2.0 Results	3
2.1 Designated Substances	3
2.1.1 Asbestos.....	3
2.1.2 Lead.....	9
2.1.3 Mercury.....	10
2.1.4 Silica	10
2.1.5 Other Designated Substances.....	10
2.2 Other Hazardous Materials	11
2.2.1 Chemical Hazards	11
2.2.2 Biological Hazards	11
2.2.3 Environmental Hazards.....	11
3.0 Conclusions and Recommendations.....	11
3.1 Designated Substances	11
3.1.1 Asbestos.....	11
3.1.2 Lead.....	12
3.1.3 Mercury.....	15
3.1.4 Silica	15
3.1.5 Other Designated Substances.....	16
3.2 Other Hazardous Materials	16
3.2.1 Chemical Hazards	16
3.2.2 Biological Hazards	17
3.2.3 Environmental Hazards.....	17
4.0 Limitations	18

LIST OF TABLES

Table 1: Summary of Hazardous Materials and Designated Substances

Table 2: Bulk Sample Analytical Results for Determination of Asbestos Content

Table 3: Results of Assessment for Asbestos-Containing Materials

Table 4: Results of Paint Condition and Lead Content Assessment

LIST OF APPENDICES

Appendix I: Hazardous Materials Inventory Sheet

Appendix II: Site Drawings

Appendix III: Laboratory Certificate of Analysis – Asbestos

Appendix IV: Laboratory Certificate of Analysis – Lead

Appendix V: Methodology

EXECUTIVE SUMMARY

Safetech Environmental Limited (Safetech) was commissioned by City of Toronto to conduct a designated substances and hazardous materials assessment associated with the Roof Replacement and Window Rehabilitation Project at 60 Brant Street, Toronto, Ontario.

The objective of the assessment was to determine the presence, location, condition and quantities of designated substances and other hazardous materials that have the potential to be disturbed as part of planned construction activities (i.e. Roof Replacement & Window Rehabilitation Project) so that appropriate control measures can be implemented to protect workers during the work.

A summary of the assessment results and general recommendations based on our findings are provided in the following table. This table should be considered a summary only. Please refer to the Results (Section 2.0), Conclusions and Recommendations (Section 3.0), Hazardous Materials Inventory Sheet (Appendix I) and Site Drawings (Appendix II) of our report for additional details.

Table 1: Summary of Hazardous Materials and Designated Substances

Designated Substance	Findings	Recommendations
Asbestos	<p>The following asbestos-containing materials were identified in the subject area that may be impacted during the project:</p> <ul style="list-style-type: none"> - black remnant caulking above flashing 	<p>Disturbance of asbestos-containing materials must be conducted in accordance with Ontario Regulation 278/05 <i>Designated Substance – Asbestos on Construction Projects and in Building and Repair Operations</i>. Refer to Table 3 (Results of Assessment for Asbestos-Containing Materials), Section 3.1.1 (Conclusions and Recommendations), Appendix I (Hazardous Materials Inventory Sheet) and Appendix II (Site Drawings). Asbestos-containing waste must be disposed of in accordance with R.R.O. 1990, Regulation 347, <i>General - Waste Management</i>.</p>
Lead	<p>White paint associated with interior window frames was confirmed to be a lead-containing paint (>0.1% lead content).</p> <p>White paint on walls was confirmed to be a not lead-containing paint (<0.0090% lead content).</p>	<p>Disturbance of lead-containing materials must be conducted in accordance with the Ontario Ministry of Labour, Immigration, Training and Skills Development (MLTSD) <i>Lead on Construction Projects</i> guideline (2011) and/or the Environmental Abatement Council of Canada (EACC) <i>Lead</i></p>

	<p>The following materials are assumed to be lead-containing:</p> <ul style="list-style-type: none"> - paints and surface coatings (not sampled) - solder in copper pipe fittings - solder in electrical components 	<p><i>Guideline</i> (October 2014). For additional details, refer to Section 2.1.2 (Results) and Section 3.1.2 (Conclusions and Recommendations). Lead-containing wastes should be recycled if practicable or handled and disposed of according to R.R.O. 1990, Regulation 347, <i>General- Waste Management</i>.</p>
Mercury	<p>Sources of mercury were observed in the subject area and include the following:</p> <ul style="list-style-type: none"> - vapour in fluorescent lamps 	<p>If required, handle lamps with care and keep intact. All waste lamps are recommended to be sent to a lamp recycling facility.</p>
Silica	<p>Building materials identified that are suspected to contain crystalline silica and may be disturbed as part of the planned construction project include:</p> <ul style="list-style-type: none"> - drywall walls/drywall joint compound - concrete - mortar 	<p>Any work involving the disturbance of silica-containing materials should follow the procedures outlined in the Ontario MLITSD "<i>Silica on Construction Projects</i>" guideline. For additional information, refer to Section 2.1.4 (Results) and Section 3.1.4 (Conclusions and Recommendations).</p>
Other Designated Substances	<p>No other designated substances are expected to be present in any significant quantities or in a form that would represent an exposure concern.</p>	<p>No protective measures or procedures specific to acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, and vinyl chloride are considered necessary.</p>
Other Hazardous Materials	Findings	Recommendations
Urea Formaldehyde Foam Insulation	No UFFI was identified or is suspected in the subject area.	No action required.
Mould Contamination	No mould or water damage was observed in areas assessed.	No action required.
Pest Infestation	No pest infestations were observed in the areas assessed.	No action required.
Polychlorinated Biphenyls	No equipment was observed that is suspected to contain PCBs.	No action required.
Ozone Depleting and Global Warming Substances	No equipment was observed that is suspected to contain ozone depleting and/or global warming substances	No action required.

This assessment satisfies the Owner's requirements under Section 30 of the Ontario Occupational Health and Safety Act (OHSA), Revised Statutes of Ontario 1990, as amended.

Should you have any questions regarding the information contained in the report, please contact our office.

Safetech Environmental Limited

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Amit Kaul, B.Eng., EIT, WRT
Project Coordinator
Occupational Hygiene/Hazardous Building Materials Groups

June 8, 2026

City of Toronto
Corporate Real Estate Management Metro Hall
55 John St., 2nd Floor
Toronto, ON
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Attention: Inder Bhamra
Project Manager - Project Management Office

**RE: Designated Substances and Hazardous Materials Assessment
Roof Replacement & Window Rehabilitation Project
Eva Phoenix Transitional Housing
60 Brant Street, Toronto, Ontario**

1.0 INTRODUCTION

1.1 Background and Objectives

Safetech Environmental Limited (Safetech) was commissioned by City of Toronto to conduct a designated substances and hazardous materials assessment associated with the Roof Replacement and Window Rehabilitation Project at 60 Brant Street, Toronto, Ontario (areas assessed). The objective of the assessment was to determine the presence, location, condition and quantities of designated substances and other hazardous materials in the areas assessed that have the potential to be disturbed as part of planned construction activities (i.e. Roof Replacement & Window Rehabilitation Project) so that appropriate control measures can be implemented to protect workers during the work.

This assessment satisfies the Owner's requirements under Section 30 of the Ontario Occupational Health and Safety Act (OHSA), Revised Statutes of Ontario 1990, as amended. Section 30(1) requires a building owner to determine if there are any designated substances present at a project site prior to construction or demolition activities. Sections 30(2), (3) and (4) require the Owner and constructors for a project to provide the findings in this report as part of the tendering information for any tendered project or to prospective contractors (and subcontractors) of a project before entering into a binding contract.

This report documents findings of our on-site inspection that was conducted on May 29, 2026 and provides conclusions and recommendations based on our findings and knowledge of the planned construction project.

1.2 Scope of Work

In accordance with our fee proposal document, our scope of work included the following activities:

- A review of existing documents, including renovation documents and drawings, floor plans and existing environmental assessment reports, etc., where available;
- A visual assessment of accessible area(s) in the areas assessed to identify the presence, location, condition and quantities of designated substances and other hazardous materials;
- Collection, analysis and interpretation of representative bulk samples of suspect asbestos-containing building materials for the determination of asbestos content and material classification;
- Collection, analysis and interpretation of representative paint chip samples for the determination of lead content; and
- Preparation of a report to document findings and provide recommendations regarding control measures and/or special handling procedures for designated substances or specific hazardous materials that may be disturbed as part of planned construction activities.

Documents reviewed to aid in the assessment included the following:

- “2519_TSSS Brant_Dwgs_IFT_26.04.30” Project Drawings, as prepared by Workshop Architects Inc., Project Code 2519, Dated April 2026.
- Designated Substances and Hazardous Materials Reassessment Report, Eva Phoenix Transitional Housing, 60 Brant Street, Toronto, Ontario, as prepared by Safetech Environmental Limited, Project Number 1-3250872, Dated November 19, 2025.

This assessment only identified designated substances and hazardous materials that were deemed to be part of the building or somehow otherwise incorporated into the building structure and its finishes. **The following items were not included in our scope of work:**

- Assessing occupant items such as stored products, furnishings, items and materials used or produced as part of a manufacturing process;
- Investigating underground materials or equipment (vessels, drums, underground storage tanks, duct-banks, pipes, or cables);
- Assessing enclosed wall or ceiling cavities; and
- Assessing risers, pipe chases or elevator shafts.

1.3 Description of Area(s) Assessed

The area(s) investigated included all accessible locations of the areas assessed. The extent of the area investigated is indicated on the floor plan(s) provided in Appendix II.

2.0 RESULTS

Results of our visual assessment and bulk sample analytical findings are summarized in the sections below.

2.1 Designated Substances

2.1.1 Asbestos

Results of bulk sample analysis for the determination of asbestos content are summarized in the following table. Materials have been classified as “ACM”, “Non-ACM”, “Suspected ACM” or “Presumed Non-ACM” based on analytical results. Materials classified as Suspected ACM or Presumed Non-ACM may require further analysis (depending on site-specific conditions) to verify whether the material should be classified as ACM or Non-ACM. Please refer to the Limitations section of this report (Section 4.0) for additional details. The Laboratory Certificate of Analysis is included in Appendix III.

Table 2: Bulk Sample Analytical Results for Determination of Asbestos Content

Sample No.	Phase	Material Description	Sample Location	Asbestos Content	Material Classification
1A	Tar Felt	Roof Felt	Lower Roof	None Detected	Non-ACM
	Tar				
1B	Tar Felt				
	Tar				
1C	Tar Felt				
	Tar				
2A	Membrane	EPDM Membrane	Doghouse	None Detected	Non-ACM
	Tar Felt				
2B	Membrane				
	Tar Felt				
2C	Membrane		Lower Roof		
	Tar Felt				
3A	Tar Felt	Capsheet	Roof on Stairs	None Detected	Non-ACM
	Tar				
3B	Tar Felt				
	Tar				
3C	Tar Felt				
	Tar				
4A	Tar Felt	Vapour Barrier	Roof on Stairs	None Detected	Non-ACM
	Tar				
4B	Tar Felt				
	Tar				
4C	Tar Felt				
	Tar				
5A	Tar Felt	Roof Felt	Upper Roof	None Detected	Non-ACM

Sample No.	Phase	Material Description	Sample Location	Asbestos Content	Material Classification
	Tar				
5B	Tar Felt				
	Tar				
5C	Tar Felt				
	Tar				
6A	Tar Paper	Vapour Barrier	Upper Roof	None Detected	Non-ACM
	Tar				
6B	Tar Paper				
	Tar				
6C					
7A	Tar	Old Roof Felt	Doghouse	None Detected	Non-ACM
	Tar Felt				
7B	Tar				
	Tar Felt				
7C	Tar				
	Tar Felt				
8A		Vapour Barrier	Lower Roof	None Detected	Non-ACM
8B					
8C					
9A	Block Fill	Brick Mortar	Community Kitchen	None Detected	Non-ACM
	Mortar		202		
9B			Exterior		
9C					
10A	Glazing 1	Hard Window Glazing	Floor 2 by 202	None Detected	Non-ACM
	Glazing 2				
10B			Outside 324		
10C					
11A	N/A	Brown Caulking	On flashing Lower Roof	<0.25% Chrysotile	Non-ACM
11B			On exhaust vent Upper Roof	None Detected	
11C			On RTU Upper Roof		
12A	N/A	Black Remnant Caulking (above Flashing)	Lower Roof	2.0% Chrysotile	ACM
12B				Not Analyzed	
12C					
13A	N/A	Drywall Joint Compound	232	None Detected	Non-ACM
13B			Floor 3 North Area		
13C					
14A	N/A	Soft White Caulking	Community Kitchen	None Detected	Non-ACM
14B			202		
14C					
15A	N/A	Window Glass Glazing	Exterior	None Detected	Non-ACM
15B					



Sample No.	Phase	Material Description	Sample Location	Asbestos Content	Material Classification
15C					






As per O.Reg. 278/05, ACM contains $\geq 0.5\%$ asbestos by dry weight.






Materials assessed for asbestos content are summarized in the following table based on the type/use of the material.

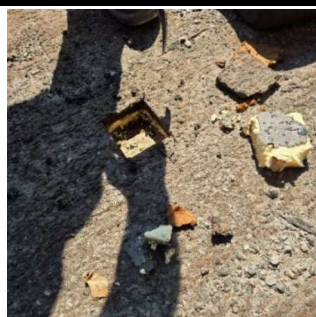



Table 3: Results of Assessment for Asbestos-Containing Materials

Sprayed and Loose Fill Insulating Materials	Location/Description
Sprayed Fireproofing	None identified in areas assessed.
Sprayed Insulation	None identified in areas assessed.
Loose Fill / Vermiculite Insulation	None identified in areas assessed.
Thermal System Insulation	Location/Description
Mechanical Pipe Insulation – Straights	None identified in areas assessed.
Mechanical Pipe Insulation – Fittings (elbows, valves, tees, hangars, etc.)	None identified in areas assessed.
HVAC Duct Insulation	None identified in areas assessed.
Breeching / Exhaust Insulation	None identified in areas assessed.
Tank Insulation	None identified in areas assessed.
Boiler Insulation	None identified in areas assessed.
Other Mechanical Equipment Insulation	None identified in areas assessed.
Architectural Finishes & Finishing Materials	Location/Description

Sprayed Texture / Stucco Finishes	None identified in areas assessed.	
Plaster Finishes	None identified in areas assessed.	
Drywall Joint Compound	Drywall joint compound was observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 13 in Table 2.	
Ceiling Tiles	Location/Description	
Lay-in Acoustic Ceiling Tiles	2'x4' ceiling tile – small and medium pinholes were observed in the subject areas. Based on the date stamp observed on the back of the ceiling tiles, the material is expected to be not asbestos-containing.	
Glued-on Acoustic Ceiling Tiles	None identified in areas assessed.	
Cement Ceiling Panels	None identified in areas assessed.	
Flooring	Location/Description	
Vinyl Floor Tiles	None identified in areas assessed.	
Vinyl Sheet Flooring	None identified in areas assessed.	
Mastic	None identified in areas assessed.	
Asbestos Cement Products	Location/Description	
Piping	None identified in subject area.	
Roofing, Siding, Wallboard	None identified in areas assessed.	
Exterior Building Materials	Location/Description	

Brick Mortar	Brick Mortar was observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 9 in Table 2.	
Caulking	Black remnant caulking above flashing was observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material contains 2% chrysotile asbestos. Refer to sample set 12 in Table 2 and the location, condition, friability, and estimated quantity in Appendix I.	
	Hard window glazing was observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 10 in Table 2.	
	Brown caulking was observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 11 in Table 2.	
	Soft White caulking was observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 14 in Table 2.	

Caulking (Continued)	Window glass glazing was observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 15 in Table 2.	
Roof Membrane	Roof Felt associated with the lower roof area was observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 1 in Table 2.	
	EPDM Membrane associated with the lower roof areas was observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 2 in Table 2.	
	Capsheet associated with the roof area above the stairs was observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 3 in Table 2.	
	Vapour Barrier associated with the roof area above the stairs was observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 4 in Table 2.	

Roof Membrane (Continued)	Roof Felt associated with the upper roof was observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 5 in Table 2.	
	Vapour Barrier associated with the upper roof was observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 6 in Table 2.	
	Old roof felt associated with the doghouse/ lower roof area observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 7 in Table 2.	
	Vapour Barrier associated with the lower roof was observed in the areas assessed. Bulk samples were collected during the assessment and results of analysis confirmed that this building material is not asbestos-containing. Refer to sample set 8 in Table 2.	

2.1.2 Lead

Laboratory analytical results for paints tested to determine lead content are summarized in the following table. The Laboratory Certificate of Analysis is included in Appendix IV. Refer to Section 3.1.2 of this report for recommended lead abatement procedures (if any) that correspond to the type of proposed construction, renovation, or demolition work.

Table 4: Results of Paint Condition and Lead Content Assessment

Sample No.	Location	Surface	Paint Colour	Condition	Lead Conc. (% by wt.)	Material Classification
P-1	Room 232 (Location 2-06)	Wall	White	Fair	<0.0064	NLC
P-2	Floor 3 Corridor (Location 3-19)	Interior Window Frame	White	Good	1.3	LCM

Lead-Containing Material (LCM): $\geq 0.1\%$ Lead Content
 Low-Level Lead-Containing Materials (LLLCM): 0.009 to 0.1% Lead Content
 Not Lead-Containing (NLC): $<0.009\%$ Lead Content

Suspect lead-containing materials observed in the areas assessed included the following:

- paints and surface coatings (not sampled)
- solder in copper pipe fittings
- solder in electrical components

2.1.3 Mercury

Mercury is present in the areas assessed in the form of:

- vapour in fluorescent lamps

2.1.4 Silica

A number of building materials were identified in the areas assessed that are **suspected to contain crystalline silica**. This includes the following materials:

- drywall walls/drywall joint compound
- concrete
- mortar

2.1.5 Other Designated Substances

Acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, and vinyl chloride were not included in the assessment as these substances are not expected to be a significant component of building materials or present in a form that would represent an exposure concern. Additionally, no specific information regarding their use was provided to us.

2.2 Other Hazardous Materials

2.2.1 Chemical Hazards

No visible evidence of UFFI installation (i.e. injection openings) or overspray of foam insulation at wall/ceiling joints was identified in the areas assessed.

2.2.2 Biological Hazards

2.2.2.1 Mould Contamination

There was no visible evidence of obvious mould growth on building finishes in the areas assessed at the time of the assessment.

2.2.2.2 Pest Infestation

There was no visible evidence of a pest infestation in the areas assessed.

2.2.3 Environmental Hazards

2.2.3.1 Polychlorinated Biphenyls (PCBs)

No sources of polychlorinated biphenyls (PCBs) were observed in the areas assessed.

2.2.3.2 Ozone Depleting and Global Warming Substances

No fixed equipment suspected to contain ODS/GWS was observed in the areas assessed.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 Designated Substances

3.1.1 Asbestos

As results summarized in Table 2 indicate, no asbestos was detected in any of the bulk samples of drywall joint compound, roof membrane, mortar, caulking or window glazing retrieved for analysis. Therefore, these building materials are considered to be Non-ACM and there are no requirements for management, disturbance or removal of these materials under O. Reg. 278/05.

Results of the assessment indicated that the following asbestos-containing materials are present in the areas assessed that may be disturbed as part of the construction project.

- black remnant caulking above flashing

Refer to Appendix I (Hazardous Materials Inventory Sheet) and Appendix II (Site Drawings) for types, locations, estimated quantities, and condition of asbestos-containing materials identified in the subject area.

Removal or disturbance of identified asbestos-containing materials must be conducted in accordance with O.Reg. 278/05. Asbestos containing materials in Poor condition must be removed and/or repaired immediately following applicable asbestos abatement procedures. Asbestos-containing materials in Good condition can remain in place until major system upgrading, maintenance or demolition which could result in disturbance of this material.

Caulking: The black remnant caulking above flashing is considered to be a non-friable ACM. As per O. Reg. 278/05, removal of non-friable ACM can be conducted following Type 1 operations; as long as the material can be removed without being broken, cut, drilled or otherwise similarly disturbed. If the material cannot be removed without it breaking or being similarly disturbed then the work should be conducted using non-powered hand tools and the material should be wetted to control the spread of dust. If the material cannot be wetted or if power tools attached to dust-collecting devices equipped with HEPA (high efficiency particulate aerosol) filters are used during removal or disturbance, then work should be performed following Type 2 operations. If non-friable materials are removed or disturbed using power tools that are not attached to dust-collecting devices that are equipped with HEPA filters then work should be conducted following Type 3 operations.

General Recommendations: The removal or disturbance of ACM must follow the measures and procedures indicated in O. Reg. 278/05. This work should be conducted by workers who have received proper training by a “competent person” in the hazards of asbestos exposure, personal hygiene and work practices, and the use and care of respirators and protective clothing. Any worker/supervisor who works in a Type 3 operation must successfully complete the Asbestos Abatement Worker or Supervisor Training Program approved by the Ministry of Labour, Immigration, Training and Skills Development. It is recommended that all work involving the removal or disturbance of ACM be subject to inspection and testing to document conformance with O. Reg. 278/05 requirements. The degree of inspection and testing is dependent on site-specific conditions such as the type, duration, size and location of the work. In most circumstances Type 3 operations require a visual inspection and clearance air testing to be conducted by a competent worker on completion of the work. The inspection should be conducted to ensure that the enclosure and the work area inside the enclosure are free from visible dust, debris or residue that may contain asbestos. Clearance air testing for Type 3 operations requires a minimum number of air samples to be taken (depending on the size of the work area) following specific sampling and analytical procedures and all samples taken must meet the clearance criteria set out in O. Reg. 278/05.

3.1.2 Lead

Result of paint chip analysis for the determination of lead content indicated that white paint associated with interior window frames was confirmed to be lead-containing (>0.1% lead content based on required of Environmental Abatement Council of Canada (EACC) “Lead Guideline” (October 2014)). **Paints and surface coatings not sampled are assumed to be lead-containing.** Any disturbance of the lead-containing paint should be

conducted in accordance the procedures outlined in the Environmental Abatement Council of Canada (EACC) “Lead Guideline” (October 2014) and/or the Ontario Ministry of Labour, Immigration, Training and Skills Development (MLITSD) “Lead on Construction Projects” guideline (April 2011). The extent of procedures (Class or Type of operation) necessary depends on the type of work to be conducted.

Additional suspect lead-containing products includes solder on pipe fittings and electrical components. Future testing of these materials and specific handling/disposal requirements may be necessary if/when these materials are to be disturbed.

Any disturbance of the lead-containing materials should be conducted in accordance with the procedures outlined in the Environmental Abatement Council of Canada (EACC) “Lead Guideline” (October 2014) and/or the Ontario Ministry of Labour, Immigration, Training and Skills Development (MLITSD) “Lead on Construction Projects” guideline (April 2011). The extent of procedures required depends on the type of work to be conducted.

At this time the method of disturbance, if any, of lead-containing materials is unknown. It is recommended that any contractor whose work requires lead-containing materials to be disturbed consult the EACC or Ontario MLITSD guidelines prior to the start of work to determine the Class/Type of operation(s) and the corresponding control measures (engineering controls, work/hygiene practices, protective clothing and equipment and worker training) necessary to conduct the work in a manner that will prevent worker overexposure to lead. The following table outlines the classification of lead disturbance based on the EACC guideline.

Operation	Description
Class 1	<ol style="list-style-type: none"> 1. Removal of lead-containing or lead-based paints and surface coatings with a chemical gel/stripper or paste; 2. Application of lead-containing or lead-based paints and surface coatings with a brush, roller or sponge. 3. Installation or removal of lead sheeting or flashing. 4. Installation or removal of lead-containing packing, babbitt, caulking, gasket or similar material. 5. Removal of materials coated with lead-containing or lead-based paints and surface coatings, using non-powered hand tools, where the material remains chiefly intact and is not crumbled, pulverized or powdered. 6. Operating construction or demolition equipment (e.g. excavator, bulldozer) during building renovation or demolition where lead-based paints or surface coatings are present on building materials and are being disturbed. 7. Soldering with lead solder. 8. Removing lead-containing or lead-based paints or surface coatings with a heat gun. 9. Removing lead-containing and lead-based paints and surface coatings using a high-pressure water jet (e.g. pressure washer).

Operation	Description
Class 2a	<ol style="list-style-type: none"> 1. Removal of lead-containing or lead-based paints and surface coatings or lead-containing materials using a power tool that has an effective dust collection system equipped with a HEPA filter*. 2. Welding, torching or high temperature cutting of lead-containing materials indoors when using an effective fume collector or smoke eater that filters and exhausts lead fume and expels it directly outdoors (away from occupants, entrances, walkways, rest areas, etc.). Fume collector or smoke eater must have effective source control and capture velocity, minimum of 0.5 metres per second (100 feet per minute) at the work surface. 3. Welding, torching or high temperature cutting of lead-containing and lead-based paints and surface coatings or lead-containing materials outdoors. 4. Removal of lead-containing mortar using handheld non-powered tools. 5. Removal of lead-containing and lead-based paints and surface coatings or lead-containing materials by scraping or sanding (including wet sanding) using non-powered hand tools. 6. Demolition of plaster or building components that crumble, pulverize or powder and are covered with lead-containing or lead-based paints or surface coatings. 7. Clean up and removal of a significant amount of lead-containing dust and debris (that can be made easily airborne) using wet methods or HEPA vacuums.
Class 2b	<ol style="list-style-type: none"> 1. Spray application of lead-containing paints and surface coatings
Class 3a	<ol style="list-style-type: none"> 1. Removal of lead-containing or lead-based paints and surface coatings or lead-containing materials using a power tool without an effective dust collection system equipped with a HEPA filter. 2. Welding, torching or high temperature cutting of lead-containing materials indoors or in a confined space (e.g. within a ditch or pit). 3. Removal of lead-containing mortar using a powered cutting device. 4. Burning of a material containing lead. 5. Removal, cleaning or repair of a ventilation system or ductwork used for controlling lead exposure. 6. Spray application of lead-based paints and surface coatings. 7. In the absence of an exposure assessment: <ol style="list-style-type: none"> a. demolition or cleanup of a facility where lead-containing products were manufactured and significant dust and debris, which can be made easily airborne, is present. b. cleanup of dust and debris down range of a firing station in an indoor firing range. an operation that may expose a worker to lead dust, fume or mist that is not a Class 1, Class 2, or Class 3B operation.
Class 3b	<ol style="list-style-type: none"> 1. Abrasive blasting of lead-containing and lead-based paints and surface coatings or lead-containing materials (including wet, slurry and dry abrasive blasting and dry-ice blasting).

* Effective implies that the dust collection system should be capable of controlling airborne lead concentration levels to below 0.05 mg/m³. Employers should follow manufacturer's recommendations and maintenance specifications for optimal function.

If practicable, all bulk lead waste materials should be separated from other wastes and sent to a recycling facility. If not practicable, lead-containing waste should be handled and disposed of according to R.R.O. 1990, Regulation 347, *General - Waste Management* (Reg. 347) made under the Environmental Protection Act. Under this regulation (and depending on the quantity of waste generated) the waste may be subject to analysis following the Toxicity Characteristic Leaching Procedure (TCLP) to determine if it is a "leachate toxic waste" based on the leachate quality criteria provided in Schedule 4 of the regulation. Such wastes must meet specific treatment requirements (Schedule

5) or undergo alternative treatment for hazardous debris (Schedule 8) prior to land disposal.

3.1.3 Mercury

Fluorescent lamps that require removal should be handled with care and kept intact to avoid potential exposure to mercury vapour present within the lamps. To prevent the release of mercury into the environment, Safetech recommends that all waste lamps be sent to a lamp recycling facility and not disposed of in landfill.

Although no mercury was visibly identified in other equipment, dismantling of equipment was not conducted to verify the presence/absence of mercury. It is cautioned that thermometers, barometers and other measuring devices (pressure gauges/sensors, vacuum gauges, manometers, etc.), thermostats and a variety of other electrical switches (temperature sensitive, tilt switches, float switches, etc.) may contain mercury that may not be visible without dismantling the equipment. Such devices should be assumed to contain mercury until proven otherwise and similar precautions to those outlined above should be taken if any of these items are to be disturbed or taken out of service in the future.

3.1.4 Silica

Suspect silica-containing materials were identified to be present in the areas assessed. In their current state, building materials containing silica do not represent a risk to building occupants or construction workers. Risks associated with exposure to silica arise during demolition activities that cause silica dust to be created (particularly grinding, drilling or cutting operations and during major demolition), resulting in a crystalline silica inhalation hazard.

If any materials suspected to contain silica are to be removed or otherwise disturbed as a result of renovation/demolition activities it is recommended that procedures be put in place to control the generation of dust (such as routine water misting) and thus reduce the potential for worker exposure. Workers that have the potential to be exposed to airborne silica should also wear appropriate protective clothing and respiratory protection. Any work involving the disturbance of silica-containing materials should follow the procedures outlined in the Ontario MLITSD "Silica on Construction Projects" guideline (April 2011). The appropriate engineering controls, work practices, hygiene practices, personal protective measures and training necessary to conduct the work in a safe manner are provided in this guideline. The general measures and procedures (or Type of operation) necessary depends on the type of work to be conducted. The following table outlines the classification of silica disturbance based on the Ontario MLITSD guideline.

Operation	Description
Type 1	<ol style="list-style-type: none"> 1. The drilling of holes in concrete or rock that is not part of a tunneling operation or road construction. 2. Milling of asphalt from concrete highway pavement 3. Charging mixers and hoppers with silica sand (sand consisting of at least 95% silica) or silica flour (finely ground sand consisting of at least 95% silica) 4. Any other operation at a project that requires the handling of silica-containing material in a way that may results in a worker being exposed to airborne silica. 5. Entry into a dry mortar removal or abrasive blasting area while airborne dust is visible for less than 15 minutes for inspection and/or sampling. 6. Working within 25 metres of an area where compressed air is being used to remove silica-containing dust outdoors.
Type 2	<ol style="list-style-type: none"> 1. Removal of silica containing refractory materials with a jackhammer 2. The drilling of holes in concrete or rock that is part of a tunneling or road construction. 3. The use of a power tool to cut, grind, or polish concrete, masonry, terrazzo or refractory materials. 4. The use of a power tool to remove silica containing materials. 5. Tunneling (operation of the tunnel boring machine, tunnel drilling, and tunnel mesh installation). 6. Tuckpoint and surface grinding 7. Dry mortar removal with an electric or pneumatic cutting device 8. Dry method dust cleanup from abrasive blasting operations 9. The use of compress air outdoors for removing silica dust 10. Entry into area where abrasive blasting is being carried out for more than 15 minutes
Type 3	<ol style="list-style-type: none"> 1. Abrasive blasting with an abrasive that contains >1% silica 2. Abrasive blasting or a material that contains >1% silica

3.1.5 Other Designated Substances

No other designated substances are expected to be a component of building materials in the areas assessed in a form that would represent an exposure concern. Therefore, no protective measures or procedures specific to acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, and vinyl chloride are considered necessary.

3.2 Other Hazardous Materials

3.2.1 Chemical Hazards

As no UFFI was identified or is suspected to be present in the areas assessed, no further action is required. However, given that no destructive testing was conducted, there is a remote possibility that UFFI could be hidden within locations such as exterior wall cavities. If suspect foam insulation is identified during renovation/demolition activities work should be stopped and the area should be re-assessed to evaluate conditions and determine appropriate control measures and worker protection, if necessary.

3.2.2 Biological Hazards

3.2.2.1 Mould Contamination

No mould contamination was identified in the areas assessed and no further action is required at this time. Although no obvious mould contamination or evidence to suggest possible hidden mould contamination was identified in the areas assessed, there is still a potential for hidden mould growth to exist behind or underneath building finishes. Should suspect mould growth be discovered during the course of renovation or demolition work, Safetech recommends that all work stop so that the area can be assessed to evaluate proper control measures and remediation protocols in order to avoid worker exposure to mould and possible contamination of adjacent areas.

3.2.2.2 Pest Infestation

No visual evidence of any significant pest infestation was observed in the areas assessed. Therefore, no additional precautionary measures are deemed necessary for protection against biological contaminants potentially associated with pest infestation.

3.2.3 Environmental Hazards

3.2.3.1 Polychlorinated Biphenyls (PCBs)

The federal government has set strict regulations for the handling, storage and disposal of PCBs. The PCB Regulations (SOR/2008-273) came into effect on September 5th, 2008 and consolidates and replaces the Chlorobiphenyls Regulations (SOR/91-152) and the Storage of PCB Material Regulations (SOR/92-507). The purpose of the PCB Regulations is to improve the protection of Canada's environment and the health of Canadians by minimizing the risks posed by the use, storage and release of PCBs by accelerating the elimination of these substances.

Newer T8 lamps present in fluorescent light fixtures indicate that a lighting retrofit has taken place. These newer T8 lamps use ballasts that do not contain PCBs. Therefore, light fixtures containing T8 lamps are not expected to contain PCB ballasts. However, , should renovation/demolition work result in removal and disposal of existing fluorescent light fixtures containing T8 lamps it is still recommended that each fixture is individually assessed for the presence of PCB-containing ballasts and if discovered should be handled and disposed of accordingly as described above.

3.2.3.2 Ozone Depleting and Global Warming Substances

No equipment was identified in the areas assessed that is expected to contain ozone depleting or global warming substances. As such, no recommendations are considered necessary at this time.

4.0 LIMITATIONS

The information and recommendations detailed in this report were carried out by trained professional and technical staff in accordance with generally accepted environmental and industrial hygiene work practices and procedures. Recommendations provided in this report have been generated in accordance with accepted industry guidelines and practices. These guidelines and practices are considered acceptable as of the date of this report.

In preparation of this report, Safetech relied on information supplied by others, including without limitation, information pertaining to the history and operation of the site, test results and reports of other consultants and testing services provided by independent laboratories. Except as expressly set out in this report, Safetech has not made any independent verification of information provided by independent entities.

The collection of samples at the location noted was consistent with the scope of work agreed-upon with the person or entity to whom this report is addressed and the information obtained concerning prior site investigations. As conditions between samples may vary, the potential remains for the presence of unknown additional contaminants for which there were no known indicators.

The analytical method used for determination of asbestos content meets the requirements of O. Reg. 278/05. However, small asbestos fibres may be missed by PLM due to resolution limitations of the optical microscope. Interfering binder/matrix and/or low asbestos content may also hinder positive identification by PLM. These conditions are common for vermiculite attic insulation (VAI) and non-friable organically bound (NOB) materials such as vinyl floor tiles, roofing materials, mastics and caulking and can lead to “false negative” results. If PLM analytical results for these types of materials indicate no asbestos detected they have been reported as “Presumed Non-ACM”. Due to limitations of the analytical method we cannot confirm that low quantities of asbestos are not present in these samples using solely PLM analysis. Additional analytical procedures should be considered for such materials to rule out false negative results.

Conclusions are based on site conditions at the time of inspection and can only be extrapolated to an undefined limited area around inspected locations. The extent of the limited area depends on building construction and conditions. Building materials that are not detailed within this survey due to inaccessibility during the time of survey and/or are uncovered during renovation/demolition activities should be properly assessed by a qualified person prior to their disturbance. Safetech cannot warrant against undiscovered environmental liabilities. If any information becomes available that differs from the findings in this report, we request that we be notified immediately to reassess the conclusions provided herein.

No other person or entity is entitled to use or rely upon this report without the express written consent of Safetech and the person or entity to who it is addressed. Any use that a third party makes of this report, or any reliance based on conclusions and

recommendations made, are the responsibility of such third parties. Safetech accepts no responsibility for damages suffered by third parties as a result of actions based on this report.

Appendix I: Hazardous Materials Inventory Sheet

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Building Address: 60 Brant Street		Date(s) of Current Reassessment: May 29, 2026							
Building Name: Eva's Phoenix - Transitional Housing		Organization Completing Reassessment: Safetech Environmental Limited							
Summary of Findings									
Please note only building materials in representative areas of the subject building expected to be disturbed under the scheduled project were assessed. In addition, please note that white paint associated with interior window frames throughout the subject building should be treated as lead containing. (Reference Location 3-19).									
All Hazardous Materials observed in good condition.									
Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
0-00	Exterior	Roof (Lower Roof Area)	Roof Felt	Asbestos	1A-1C	None Detected	N/A	N/A	Sampled during 2026 survey
0-00	Exterior	Roof (Lower Roof Area)	EPDM Membrane	Asbestos	2A-2C	None Detected	N/A	N/A	Sampled during 2026 survey
0-00	Exterior	Roof (Over Stairs)	Capsheet	Asbestos	3A-3C	None Detected	N/A	N/A	Sampled during 2026 survey
0-00	Exterior	Roof (Over Stairs)	Vapour Barrier	Asbestos	4A-4C	None Detected	N/A	N/A	Sampled during 2026 survey
0-00	Exterior	Roof (Upper Roof Area)	Roof Felt	Asbestos	5A-5C	None Detected	N/A	N/A	Sampled during 2026 survey
0-00	Exterior	Roof (Upper Roof Area)	Vapour Barrier	Asbestos	6A-6C	None Detected	N/A	N/A	Sampled during 2026 survey
0-00	Exterior	Roof (Doghouse)	Old Roof Felt	Asbestos	7A-7C	None Detected	N/A	N/A	Sampled during 2026 survey
0-00	Exterior	Roof (Lower Roof Area)	Vapour Barrier	Asbestos	8A-8C	None Detected	N/A	N/A	Sampled during 2026 survey
0-00	Exterior	Wall	Brick Mortar	Asbestos	9A, 9C	None Detected	N/A	N/A	Sampled during 2026 survey
0-00	Exterior	Roof	Caulking	Asbestos	11A-11C	None Detected	N/A	N/A	White caulking; Sampled during 2026 survey
0-00	Exterior	Roof (Lower Roof Area)	Caulking	Asbestos	12-12C	2.0% Chrysotile	~300 LF	Good	Black remnant caulking above flashing
0-00	Exterior	Window	Caulking	Asbestos	15A-15C	None Detected	N/A	N/A	Window glass glazing; Sampled during 2026 survey
B-01	Open Office Area	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-01	Open Office Area	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-01a	None Detected	N/A	N/A	
B-01	Open Office Area	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
B-01	Open Office Area	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-01	Open Office Area	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-01	Open Office Area	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-01	Open Office Area	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-02	Office 1	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
B-02	Office 1	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-01e	None Detected	N/A	N/A	
B-02	Office 1	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
B-02	Office 1	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-02	Office 1	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-02	Office 1	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-02	Office 1	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-03	Office 2	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-03	Office 2	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-01f	None Detected	N/A	N/A	
B-03	Office 2	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
B-03	Office 2	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-03	Office 2	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-03	Office 2	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-03	Office 2	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-04	Print Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-04	Print Room	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-01b,c	None Detected	N/A	N/A	
B-04	Print Room	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
B-04	Print Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-04	Print Room	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-04	Print Room	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-04	Print Room	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-05	Print Room 2	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-05	Print Room 2	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-01d	None Detected	N/A	N/A	
B-05	Print Room 2	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
B-05	Print Room 2	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-05	Print Room 2	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-05	Print Room 2	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
B-05	Print Room 2	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-06	Open Print Shop	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-06	Open Print Shop	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-01 (None Detected)	N/A	N/A	
B-06	Open Print Shop	Walls	Concrete Block	N/A	N/A	N/A	N/A	N/A	Not Observed 2020 ECOH Reassessment.
B-06	Open Print Shop	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
B-06	Open Print Shop	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-06	Open Print Shop	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-06	Open Print Shop	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-06	Open Print Shop	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-07	Maintenance Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-07	Maintenance Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-01 (None Detected)	N/A	N/A	
B-07	Maintenance Room	Walls	Concrete Block	N/A	N/A	N/A	N/A	N/A	Not Observed 2020 ECOH Reassessment.
B-07	Maintenance Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-07	Maintenance Room	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-07	Maintenance Room	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-07	Maintenance Room	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-08	Storage Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-08	Storage Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-01 (None Detected)	N/A	N/A	
B-08	Storage Room	Walls	Concrete Block	N/A	N/A	N/A	N/A	N/A	
B-08	Storage Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-08	Storage Room	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-08	Storage Room	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-08	Storage Room	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-09	Mechanical Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-09	Mechanical Room	Walls	Brick	N/A	N/A	N/A	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
B-09	Mechanical Room	Walls	Concrete Block	N/A	N/A	N/A	N/A	N/A	
B-09	Mechanical Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-09	Mechanical Room	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-09	Mechanical Room	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-09	Mechanical Room	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-10	Electrical Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-10	Electrical Room	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
B-10	Electrical Room	Walls	Concrete Block	N/A	N/A	N/A	N/A	N/A	
B-10	Electrical Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-10	Electrical Room	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-10	Electrical Room	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-10	Electrical Room	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-11	Washroom	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-11	Washroom	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-01 (None Detected)	N/A	N/A	
B-11	Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
B-11	Washroom	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-11	Washroom	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-11	Washroom	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-11	Washroom	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-12	Washroom 013	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-12	Washroom 013	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-01 (None Detected)	N/A	N/A	
B-12	Washroom 013	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
B-12	Washroom 013	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-12	Washroom 013	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-12	Washroom 013	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
B-12	Washroom 013	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-13	Washroom	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-13	Washroom	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-01 (None Detected)	N/A	N/A	
B-13	Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
B-13	Washroom	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-13	Washroom	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-13	Washroom	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-13	Washroom	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-14	Storage Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-14	Storage Room	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
B-14	Storage Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-14	Storage Room	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-14	Storage Room	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-14	Storage Room	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-15	Janitor's Closet	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-15	Janitor's Closet	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-01 (None Detected)	N/A	N/A	
B-15	Janitor's Closet	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
B-15	Janitor's Closet	Walls	Concrete Block	N/A	N/A	N/A	N/A	N/A	
B-15	Janitor's Closet	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-15	Janitor's Closet	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-15	Janitor's Closet	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-15	Janitor's Closet	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-16	Corridor	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-16	Corridor	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-01g	None Detected	N/A	N/A	
B-16	Corridor	Walls	Brick	N/A	N/A	N/A	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
B-16	Corridor	Walls	Concrete Block	N/A	N/A	N/A	N/A	N/A	
B-16	Corridor	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-16	Corridor	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-16	Corridor	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-16	Corridor	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-17	Sprinkler Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-17	Sprinkler Room	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
B-17	Sprinkler Room	Walls	Concrete Block	N/A	N/A	N/A	N/A	N/A	
B-17	Sprinkler Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-17	Sprinkler Room	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
B-17	Sprinkler Room	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-17	Sprinkler Room	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
B-17	Sprinkler Room	Mechanical	Meter	Mercury	N/A	N/A	1 Each	Good	Honeywell Mercury Instruments Rotary Corrector
B-18	West Stairwell	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
B-18	West Stairwell	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
B-18	West Stairwell	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
B-18	West Stairwell	Structure	Steel	N/A	N/A	N/A	N/A	N/A	
B-18	West Stairwell	Structure	Sprayed Fire Proofing	Asbestos	Samples 1A-1C	None Detected	N/A	Good	From Safetech Project No. 1-3230268, dated Nov 2023
1-01	Brant St. Foyer	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-01	Brant St. Foyer	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
1-01	Brant St. Foyer	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-02d	None Detected	N/A	N/A	
1-01	Brant St. Foyer	Ceiling	Concrete	N/A	N/A	N/A	N/A	N/A	
1-02	Stairwell C	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-02	Stairwell C	Walls	Brick	N/A	N/A	N/A	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
1-02	Stairwell C	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
1-02	Stairwell C	Structure	Steel	N/A	N/A	N/A	N/A	N/A	
1-02	Stairwell C	Structure	Sprayed Fire Proofing	Asbestos	Samples 1A-1C (1-3230268)	None Detected	N/A	Good	From Safetech Project No. 1-3230268, dated Nov 2023
1-03	Workshop	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-03	Workshop	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-02a	None Detected	N/A	N/A	
1-03	Workshop	Ceiling	Ceiling Tile 2	N/A	N/A	N/A	N/A	N/A	CT2, 2'x4' White (Food grade - vinyl covered gypsum board)
1-03	Workshop	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	
1-04	"Main Street"	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-04	"Main Street"	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-02c	None Detected	N/A	N/A	
1-04	"Main Street"	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
1-04	"Main Street"	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	Open Ceiling
1-05	Lounge 128	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-05	Lounge 128	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-02b	None Detected	N/A	N/A	
1-05	Lounge 128	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
1-05	Lounge 128	Walls	Concrete Block	N/A	N/A	N/A	N/A	N/A	
1-05	Lounge 128	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-06	Laundry Room	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-06	Laundry Room	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-06	Laundry Room	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-06	Laundry Room	Duct	Uninsulated	N/A	N/A	N/A	N/A	N/A	
1-07	Community Kitchen	Floor	Vinyl Sheet Flooring (VSF01)	Asbestos	Not Sampled	ACM Assumed	~600 sf	Good	VSF01 - Vinyl Sheet Flooring (Textured, Dark Blue) Looks New
1-07	Community Kitchen	Walls	Brick	Asbestos	9A	N/A	N/A	N/A	Sampled during 2026 survey
1-07	Community Kitchen	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-07	Community Kitchen	Ceiling	Ceiling Tile 2	N/A	N/A	N/A	N/A	N/A	CT2, 2'x4' White (Food grade - vinyl covered gypsum board)
1-07	Community Kitchen	Structure	Concrete	N/A	N/A	N/A	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
1-07	Community Kitchen	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
1-07	Community Kitchen	Window	Caulking	Asbestos	14A	None Detected	N/A	N/A	Soft White caulking. Sampled during 2026 survey
1-08a	House 1 - Kitchen	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-08a	House 1 - Kitchen	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-08a	House 1 - Kitchen	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-08a	House 1 - Kitchen	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-08b	House 1 - Washroom	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-08b	House 1 - Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-08b	House 1 - Washroom	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-08c	House 1 - Storage Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-08c	House 1 - Storage Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-08c	House 1 - Storage Room	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-09a	House 2 - Kitchen	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-09a	House 2 - Kitchen	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-02e	None Detected	N/A	N/A	
1-09a	House 2 - Kitchen	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-09a	House 2 - Kitchen	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-09b	House 2 - Washroom	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-09b	House 2 - Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-09b	House 2 - Washroom	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-09c	House 2 - Storage Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-09c	House 2 - Storage Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-09c	House 2 - Storage Room	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-10a	House 3 - Kitchen	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-10a	House 3 - Kitchen	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
1-10a	House 3 - Kitchen	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-10a	House 3 - Kitchen	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-10b	House 3 - Washroom	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-10b	House 3 - Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-10b	House 3 - Washroom	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-10c	House 3 - Storage Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-10c	House 3 - Storage Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-10c	House 3 - Storage Room	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-11a	House 4 - Kitchen	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-11a	House 4 - Kitchen	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-11a	House 4 - Kitchen	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-11a	House 4 - Kitchen	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-11b	House 4 - Washroom	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-11b	House 4 - Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-11b	House 4 - Washroom	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-11c	House 4 - Storage Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-11c	House 4 - Storage Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-11c	House 4 - Storage Room	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-12a	House 5 - Kitchen	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-12a	House 5 - Kitchen	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-12a	House 5 - Kitchen	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-12a	House 5 - Kitchen	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-12b	House 5 - Washroom	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-12b	House 5 - Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
1-12b	House 5 - Washroom	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-12c	House 5 - Storage Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-12c	House 5 - Storage Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-12c	House 5 - Storage Room	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-13a	House 6 - Kitchen	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-13a	House 6 - Kitchen	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-02f	None Detected	N/A	N/A	
1-13a	House 6 - Kitchen	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-13a	House 6 - Kitchen	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-13b	House 6 - Washroom	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-13b	House 6 - Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-13b	House 6 - Washroom	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-13c	House 6 - Storage Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-13c	House 6 - Storage Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-13c	House 6 - Storage Room	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-14a	House 7 - Kitchen	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-14a	House 7 - Kitchen	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-14a	House 7 - Kitchen	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-14a	House 7 - Kitchen	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-14b	House 7 - Washroom	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-14b	House 7 - Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-14b	House 7 - Washroom	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-14c	House 7 - Storage Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-14c	House 7 - Storage Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
1-14c	House 7 - Storage Room	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-14d	House 7 - Room 7-1	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-14d	House 7 - Room 7-1	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-14d	House 7 - Room 7-1	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-15a	House 8 - Kitchen	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-15a	House 8 - Kitchen	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-15a	House 8 - Kitchen	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-15a	House 8 - Kitchen	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-15b	House 8 - Washroom	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-15b	House 8 - Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-15b	House 8 - Washroom	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-15c	House 8 - Storage Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-15c	House 8 - Storage Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-15c	House 8 - Storage Room	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-16a	House 9 - Kitchen	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-16a	House 9 - Kitchen	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-16a	House 9 - Kitchen	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-16a	House 9 - Kitchen	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-16b	House 9 - Washroom	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-16b	House 9 - Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-16b	House 9 - Washroom	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-16c	House 9 - Storage Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
1-16c	House 9 - Storage Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-16c	House 9 - Storage Room	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-16d	House 9 - Room 9-1	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-16d	House 9 - Room 9-1	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-16d	House 9 - Room 9-1	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-17a	House 10 - Kitchen	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-17a	House 10 - Kitchen	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-17a	House 10 - Kitchen	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-17a	House 10 - Kitchen	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-17b	House 10 - Washroom	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-17b	House 10 - Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
1-17b	House 10 - Washroom	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-17c	House 10 - Storage Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
1-17c	House 10 - Storage Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
1-17c	House 10 - Storage Room	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-02 (None Detected)	N/A	N/A	
2-01	Stairwell B	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-01	Stairwell B	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
2-01	Stairwell B	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
2-01	Stairwell B	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
2-02	Reception	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-02	Reception	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
2-02	Reception	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-04a	None Detected	N/A	N/A	
2-02	Reception	Ceiling	Ceiling Tile 1	Asbestos	Not Sampled	Visually confirmed non-ACM	N/A	N/A	CT1, 2'x4' Small Flecks and Pinholes Date stamp: 2017

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
2-02	Reception	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
2-02	Reception	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
2-03	Classroom (234B)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-03	Classroom (234B)	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
2-03	Classroom (234B)	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-04b	None Detected	N/A	N/A	
2-03	Classroom (234B)	Ceiling	Ceiling Tile 1	Asbestos	Not Sampled	Visually confirmed non-ACM	N/A	N/A	CT1, 2'x4' Small Flecks and Pinholes Date stamp: 2017
2-03	Classroom (234B)	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
2-03	Classroom (234B)	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
2-03	Classroom (234B)	Other	Window Caulking	Asbestos	20563-SSH06-ASB-05a-c	None Detected	N/A	N/A	White
2-04	Computer Lab (234A)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-04	Computer Lab (234A)	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
2-04	Computer Lab (234A)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-04	Computer Lab (234A)	Ceiling	Ceiling Tile 1	Asbestos	Not Sampled	Visually confirmed non-ACM	N/A	N/A	CT1, 2'x4' Small Flecks and Pinholes Date stamp: 2017
2-04	Computer Lab (234A)	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
2-04	Computer Lab (234A)	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
2-04	Computer Lab (234A)	Other	Window Caulking	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-05 (None Detected)	N/A	N/A	White
2-05	Open Office Area	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-05	Open Office Area	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
2-05	Open Office Area	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-04d	None Detected	N/A	N/A	
2-05	Open Office Area	Ceiling	Ceiling Tile 1	Asbestos	Not Sampled	Visually confirmed non-ACM	N/A	N/A	CT1, 2'x4' Small Flecks and Pinholes Date stamp: 2017
2-05	Open Office Area	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
2-05	Open Office Area	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
2-05	Open Office Area	Other	Window Caulking	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-05 (None Detected)	N/A	N/A	White
2-05a	Janitor's Closet	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
2-05a	Janitor's Closet	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
2-05a	Janitor's Closet	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-05a	Janitor's Closet	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-06	Office (232)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-06	Office (232)	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
2-06	Office (232)	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-04c: 13A	None Detected	N/A	N/A	Sampled during 2026 survey
2-06	Office (232)	Walls	Paint - White	Lead	Sample P-1	<0.0064	N/A	N/A	Sampled during 2026 survey
2-06	Office (232)	Ceiling	Ceiling Tile 1	Asbestos	Not Sampled	Visually confirmed non-ACM	N/A	N/A	CT1, 2'x4' ceiling tile – small and medium pinholes (061019)
2-06	Office (232)	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
2-06	Office (232)	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
2-06	Office (232)	Other	Window Caulking	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-05 (None Detected)	N/A	N/A	White
2-07	Storage Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-07	Storage Room	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
2-07	Storage Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-07	Storage Room	Ceiling	Ceiling Tile 1	Asbestos	Not Sampled	Visually confirmed non-ACM	N/A	N/A	CT1, 2'x4' Small Flecks and Pinholes Date stamp: 2017
2-07	Storage Room	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
2-07	Storage Room	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
2-07	Storage Room	Other	Window Caulking	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-05 (None Detected)	N/A	N/A	White
2-08	Washroom	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
2-08	Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
2-08	Washroom	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-09a	House 1 - (Rooms 1-1 to 1-6)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-09a	House 1 - (Rooms 1-1 to 1-6)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
2-09a	House 1 - (Rooms 1-1 to 1-6)	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-09b	House 1 - Corridor	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-09b	House 1 - Corridor	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-09b	House 1 - Corridor	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-09c	House 1 - Stairwell	Floor	Wood	N/A	N/A	N/A	N/A	N/A	
2-09c	House 1 - Stairwell	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-09c	House 1 - Stairwell	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-10a	House 2 - (Rooms 2-1 to 2-5)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-10a	House 2 - (Rooms 2-1 to 2-5)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-10a	House 2 - (Rooms 2-1 to 2-5)	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-10b	House 2 - Corridor	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-10b	House 2 - Corridor	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-10b	House 2 - Corridor	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-10c	House 2 - Stairwell	Floor	Wood	N/A	N/A	N/A	N/A	N/A	
2-10c	House 2 - Stairwell	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-10c	House 2 - Stairwell	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-11a	House 3 - (Rooms 3-1 to 3-5)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-11a	House 3 - (Rooms 3-1 to 3-5)	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-04e	None Detected	N/A	N/A	
2-11a	House 3 - (Rooms 3-1 to 3-5)	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-11b	House 3 - Corridor	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-11b	House 3 - Corridor	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
2-11b	House 3 - Corridor	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-11c	House 3 - Stairwell	Floor	Wood	N/A	N/A	N/A	N/A	N/A	
2-11c	House 3 - Stairwell	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-11c	House 3 - Stairwell	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-12a	House 4 - (Rooms 4-1 to 4-5)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-12a	House 4 - (Rooms 4-1 to 4-5)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-12a	House 4 - (Rooms 4-1 to 4-5)	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-12b	House 4 - Corridor	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-12b	House 4 - Corridor	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-12b	House 4 - Corridor	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-12c	House 4 - Stairwell	Floor	Wood	N/A	N/A	N/A	N/A	N/A	
2-12c	House 4 - Stairwell	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-12c	House 4 - Stairwell	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-13a	House 5 - (Rooms 5-1 to 5-5)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-13a	House 5 - (Rooms 5-1 to 5-5)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-13a	House 5 - (Rooms 5-1 to 5-5)	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-13b	House 5 - Corridor	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-13b	House 5 - Corridor	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-13b	House 5 - Corridor	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-13c	House 5 - Stairwell	Floor	Wood	N/A	N/A	N/A	N/A	N/A	
2-13c	House 5 - Stairwell	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
2-13c	House 5 - Stairwell	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-14a	House 6 - (Rooms 6-1 to 6-4)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-14a	House 6 - (Rooms 6-1 to 6-4)	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-04f	None Detected	N/A	N/A	
2-14a	House 6 - (Rooms 6-1 to 6-4)	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-14b	House 6 - Corridor	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-14b	House 6 - Corridor	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-14b	House 6 - Corridor	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-14c	House 6 - Stairwell	Floor	Wood	N/A	N/A	N/A	N/A	N/A	
2-14c	House 6 - Stairwell	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-14c	House 6 - Stairwell	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-15a	House 7 - (Rooms 7-2 to 7-6)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-15a	House 7 - (Rooms 7-2 to 7-6)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-15a	House 7 - (Rooms 7-2 to 7-6)	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-15b	House 7 - Corridor	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-15b	House 7 - Corridor	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-15b	House 7 - Corridor	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-15c	House 7 - Stairwell	Floor	Wood	N/A	N/A	N/A	N/A	N/A	
2-15c	House 7 - Stairwell	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-15c	House 7 - Stairwell	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-16a	House 8 - (Rooms 8-1 to 8-4)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-16a	House 8 - (Rooms 8-1 to 8-4)	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-04g	None Detected	N/A	N/A	
2-16a	House 8 - (Rooms 8-1 to 8-4)	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
2-16b	House 8 - Corridor	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-16b	House 8 - Corridor	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-16b	House 8 - Corridor	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-16c	House 8 - Stairwell	Floor	Wood	N/A	N/A	N/A	N/A	N/A	
2-16c	House 8 - Stairwell	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-16c	House 8 - Stairwell	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-17a	House 9 - (Rooms 9-2 to 9-5)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-17a	House 9 - (Rooms 9-2 to 9-5)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-17a	House 9 - (Rooms 9-2 to 9-5)	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-17b	House 9 - Corridor	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-17b	House 9 - Corridor	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-17b	House 9 - Corridor	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-17c	House 9 - Stairwell	Floor	Wood	N/A	N/A	N/A	N/A	N/A	
2-17c	House 9 - Stairwell	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-17c	House 9 - Stairwell	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-18a	House 10 - (Rooms 10-1 to 10-5)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-18a	House 10 - (Rooms 10-1 to 10-5)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-18a	House 10 - (Rooms 10-1 to 10-5)	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-18b	House 10 - Corridor	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-18b	House 10 - Corridor	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-18b	House 10 - Corridor	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-18c	House 10 - Stairwell	Floor	Wood	N/A	N/A	N/A	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
2-18c	House 10 - Stairwell	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-02g	None Detected	N/A	N/A	
2-18c	House 10 - Stairwell	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-19	Mechanical Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
2-19	Mechanical Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-04 (None Detected)	N/A	N/A	
2-19	Mechanical Room	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
2-19	Mechanical Room	Ceiling	Sprayed Fire Proofing	Asbestos	Samples 1A-1C	None Detected	N/A	Good	From Safetech Project No. 1-3230268, dated Nov 2023
3-01	Office (304)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
3-01	Office (304)	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-03a	None Detected	N/A	N/A	
3-01	Office (304)	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-01	Office (304)	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-01	Office (304)	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-01	Office (304)	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-02	Boardroom (305)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
3-02	Boardroom (305)	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-03e	None Detected	N/A	N/A	
3-02	Boardroom (305)	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
3-02	Boardroom (305)	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-02	Boardroom (305)	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-02	Boardroom (305)	Structure	Steel	N/A	N/A	N/A	N/A	N/A	
3-02	Boardroom (305)	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-02	Boardroom (305)	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-03	Elevator Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
3-03	Elevator Room	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-03c	None Detected	N/A	N/A	
3-03	Elevator Room	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
3-03	Elevator Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-03	Elevator Room	Structure	Wood	N/A	N/A	N/A	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
3-04	Janitor's Closet	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
3-04	Janitor's Closet	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-03b	None Detected	N/A	N/A	
3-04	Janitor's Closet	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
3-04	Janitor's Closet	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
3-04	Janitor's Closet	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-04	Janitor's Closet	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-05	Storage	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
3-05	Storage	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-03 (None Detected)	N/A	N/A	
3-05	Storage	Ceiling	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-03 (None Detected)	N/A	N/A	
3-06	Office (307)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
3-06	Office (307)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-03 (None Detected)	N/A	N/A	
3-06	Office (307)	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-06	Office (307)	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-06	Office (307)	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-06	Office (307)	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-07	Office (308)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
3-07	Office (308)	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-03d	None Detected	N/A	N/A	
3-07	Office (308)	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
3-07	Office (308)	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-07	Office (308)	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-07	Office (308)	Structure	Steel	N/A	N/A	N/A	N/A	N/A	
3-07	Office (308)	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-07	Office (308)	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-08	Office (309)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
3-08	Office (309)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-03 (None Detected)	N/A	N/A	
3-08	Office (309)	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-08	Office (309)	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-08	Office (309)	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-08	Office (309)	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-09	Office (311)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
3-09	Office (311)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-03 (None Detected)	N/A	N/A	
3-09	Office (311)	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-09	Office (311)	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-09	Office (311)	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-09	Office (311)	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-10	Office (312)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
3-10	Office (312)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-03 (None Detected)	N/A	N/A	
3-10	Office (312)	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-10	Office (312)	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-10	Office (312)	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-10	Office (312)	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-11	Office (314)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
3-11	Office (314)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-03 (None Detected)	N/A	N/A	
3-11	Office (314)	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-11	Office (314)	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-11	Office (314)	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
3-11	Office (314)	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-12	Office (315)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
3-12	Office (315)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-03 (None Detected)	N/A	N/A	
3-12	Office (315)	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-12	Office (315)	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-12	Office (315)	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-12	Office (315)	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-13	Office (316)	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
3-13	Office (316)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-03 (None Detected)	N/A	N/A	
3-13	Office (316)	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-13	Office (316)	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-13	Office (316)	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-13	Office (316)	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-14	Server Room	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
3-14	Server Room	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-03 (None Detected)	N/A	N/A	
3-14	Server Room	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
3-14	Server Room	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-14	Server Room	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-15	Washroom	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
3-15	Washroom	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-03 (None Detected)	N/A	N/A	
3-15	Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
3-15	Washroom	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-15	Washroom	Structure	Wood	N/A	N/A	N/A	N/A	N/A	

APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
3-16	Washroom	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
3-16	Washroom	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-03 (None Detected)	N/A	N/A	
3-16	Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
3-16	Washroom	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-16	Washroom	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-17	Washroom	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
3-17	Washroom	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-03 (None Detected)	N/A	N/A	
3-17	Washroom	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
3-17	Washroom	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-17	Washroom	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-18	Lunchroom (324)	Floor	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
3-18	Lunchroom (324)	Walls	Drywall (DJC)	Asbestos	Not Sampled	Visually Consistent with 20563-SSH06-ASB-03 (None Detected)	N/A	N/A	
3-18	Lunchroom (324)	Walls	Brick	N/A	N/A	N/A	N/A	N/A	
3-18	Lunchroom (324)	Walls	Ceramic	Lead	Not Sampled	Lead Assumed	N/A	N/A	
3-18	Lunchroom (324)	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-18	Lunchroom (324)	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-18	Lunchroom (324)	Structure	Steel	N/A	N/A	N/A	N/A	N/A	
3-18	Lunchroom (324)	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-19	Corridors/Stainwell	Floor	Concrete	N/A	N/A	N/A	N/A	N/A	
3-19	Corridors/Stainwell	Walls	Drywall (DJC)	Asbestos	20563-SSH06-ASB-03f, g: 13B, 13C	None Detected	N/A	N/A	Sampled during 2026 survey
3-19	Corridors/Stainwell	Walls	Brick	Asbestos	Visually similar to 9A-9C	N/A	N/A	N/A	Sampled during 2026 survey
3-19	Corridors/Stainwell	Window	Paint - White	Lead	Sample P-2	1.3	Good	N/A	White paint associated with interior window frame. Sampled during 2026 survey
3-19	Corridors/Stainwell	Ceiling	N/A	N/A	N/A	N/A	N/A	N/A	
3-19	Corridors/Stainwell	Structure	Wood	N/A	N/A	N/A	N/A	N/A	
3-19	Corridors/Stainwell	Structure	Steel	N/A	N/A	N/A	N/A	N/A	

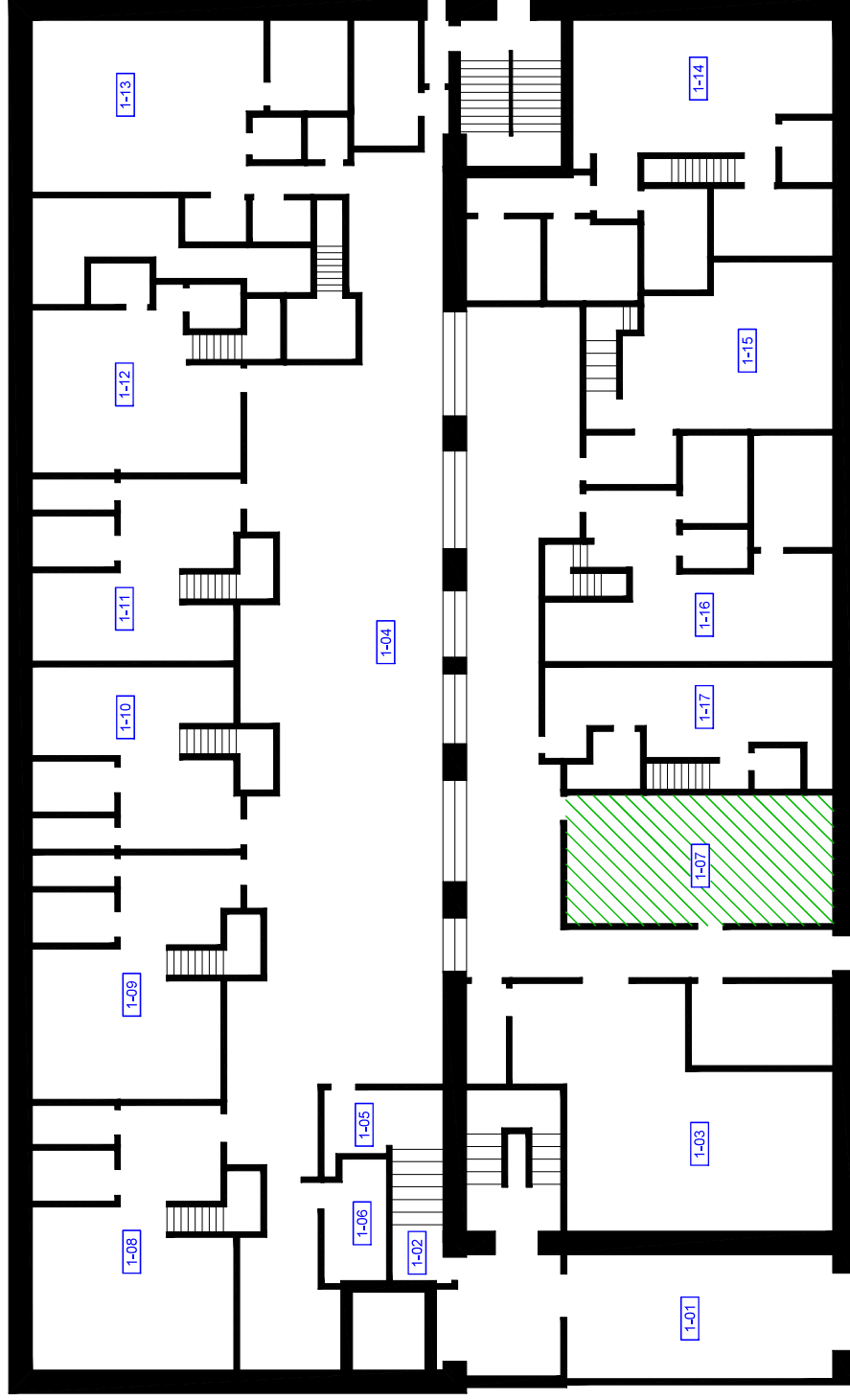
APPENDIX I - HAZARDOUS MATERIALS INVENTORY SHEET

Location Number	Location Name	Building System	Material Observed	Potential Hazardous Material	Sample ID	Asbestos Type/Content	Quantity	Condition	Notes/Required Action
3-19	Corridors/Stairwell	Duct	Fibreglass	N/A	N/A	N/A	N/A	N/A	
3-19	Corridors/Stairwell	Windows	Caulking	Asbestos	10C	None Detected	N/A	N/A	Hard window glazing. Sampled during 2026 survey
3-19	Corridors/Stairwell	Pipe	Fibreglass	N/A	N/A	N/A	N/A	N/A	

Appendix II: Site Drawings

LEGEND

- Location Number
- Assumed/Confirmed ACM



Please note only building materials in representative areas of the subject building expected to be disturbed under the scheduled project were assessed.

- 1) THIS FLOOR PLAN MUST BE READ IN CONJUNCTION WITH THE DESIGNATED SUBSTANCE AND HAZARDOUS MATERIALS ASSESSMENT REPORT.
- 2) NOT ALL ASBESTOS-CONTAINING MATERIALS ARE INDICATED IN THE FLOOR PLAN. REFER TO THE DESIGNATED SUBSTANCE AND HAZARDOUS MATERIALS REPORT FOR FURTHER DETAILS.
- 3) REMOVAL OR DISTURBANCE OF ASBESTOS-CONTAINING BUILDING MATERIALS MUST BE CONDUCTED IN ACCORDANCE WITH ONTARIO REGULATION 278/05 "DESIGNATED SUBSTANCE - ASBESTOS ON CONSTRUCTION PROJECTS AND IN BUILDINGS AND REPAIR OPERATIONS".

FLOOR 1

ROOF REPLACEMENT & WINDOW
REHABILITATION PROJECT

EVA PHOENIX TRANSITIONAL HOUSING
60 BRANT STREET
TORONTO, ON

DRAWING NO.

DS-1

DATE: JUNE 2026

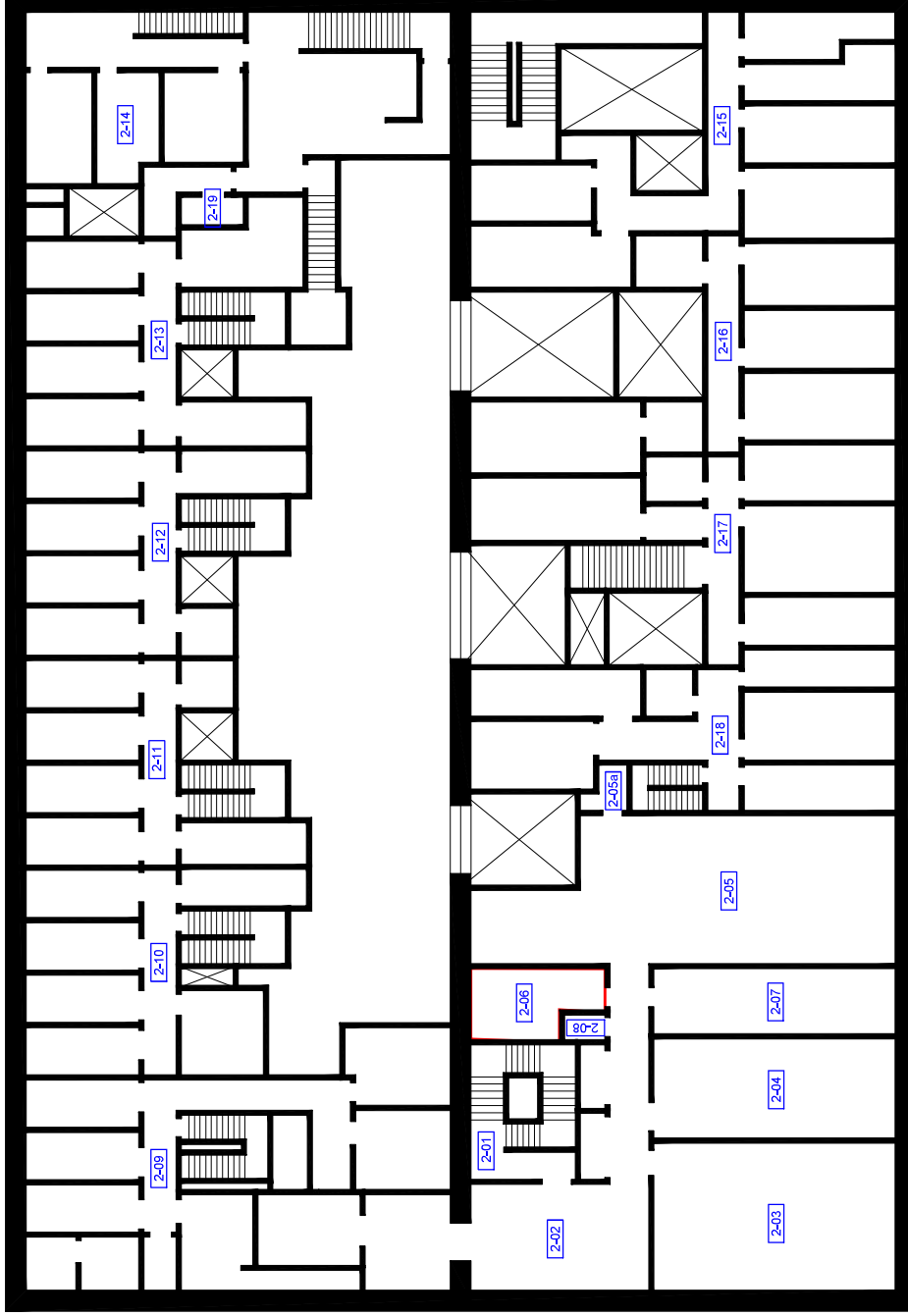
SAFETECH PROJECT NO.
1-3260479



3045 SOUTHCREEK RD. UNIT 14
MISSISSAUGA, ONTARIO
L4X 2X7

LEGEND

② Location Number



Please note only building materials in representative areas of the subject building expected to be disturbed under the scheduled project were assessed.

- 1) THIS FLOOR PLAN MUST BE READ IN CONJUNCTION WITH THE DESIGNATED SUBSTANCE AND HAZARDOUS MATERIALS ASSESSMENT REPORT.
- 2) NOT ALL ASBESTOS-CONTAINING MATERIALS ARE INDICATED IN THE FLOOR PLAN. REFER TO THE DESIGNATED SUBSTANCE AND HAZARDOUS MATERIALS REPORT FOR FURTHER DETAILS.
- 3) REMOVAL OR DISTURBANCE OF ASBESTOS-CONTAINING BUILDING MATERIALS MUST BE CONDUCTED IN ACCORDANCE WITH ONTARIO REGULATION 278/05 "DESIGNATED SUBSTANCE - ASBESTOS ON CONSTRUCTION PROJECTS AND IN BUILDINGS AND REPAIR OPERATIONS".

FLOOR 2

ROOF REPLACEMENT & WINDOW
REHABILITATION PROJECT

EVA PHOENIX TRANSITIONAL HOUSING
60 BRANT STREET
TORONTO, ON

DRAWING NO.

DS-2

DATE: JUNE 2026

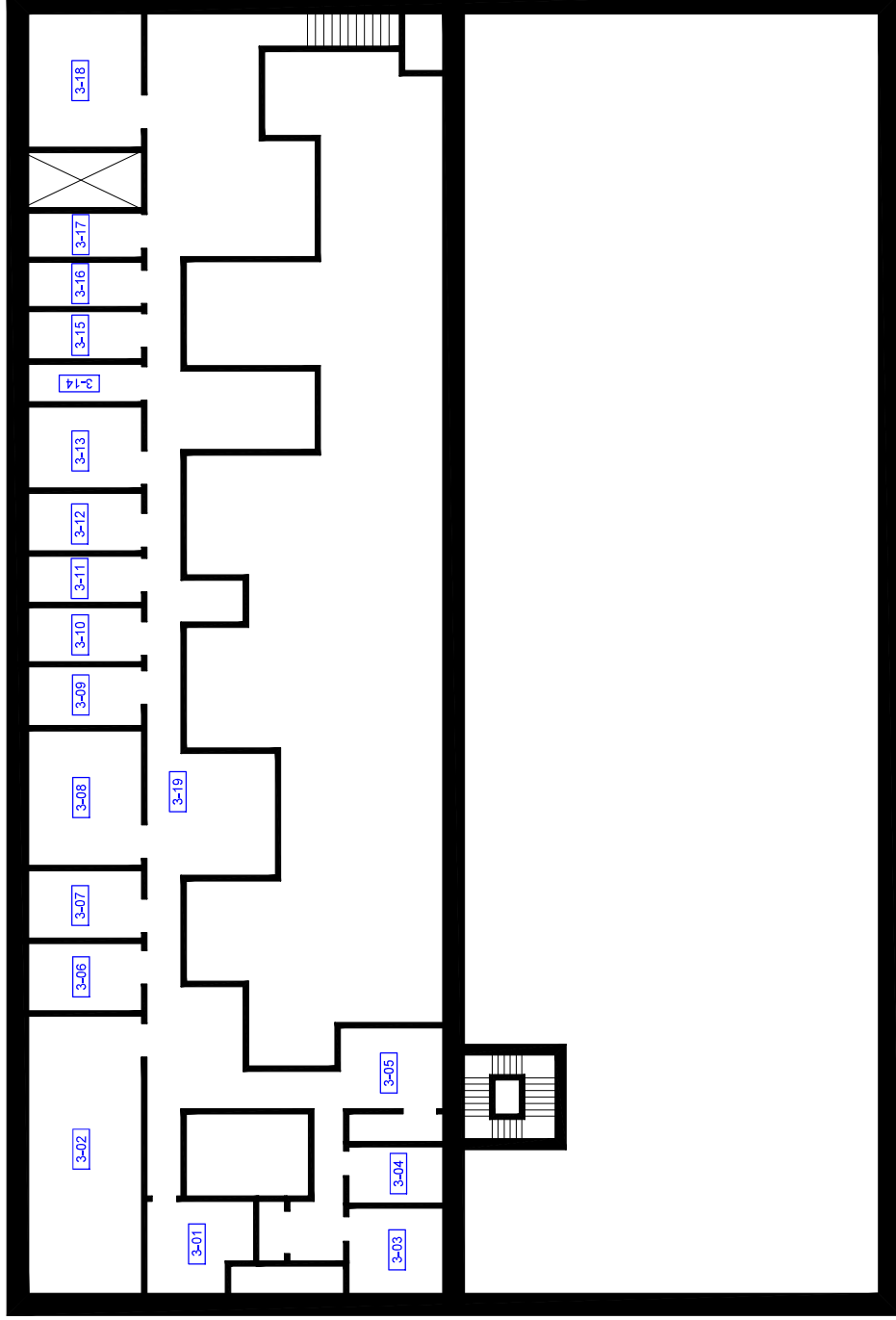
SAFETECH PROJECT NO.
1-3260479



3045 SOUTHCREEK RD. UNIT 14
MISSISSAUGA, ONTARIO
L4X 2X7

LEGEND

② Location Number



Please note only building materials in representative areas of the subject building expected to be disturbed under the scheduled project were assessed.

1) THIS FLOOR PLAN MUST BE READ IN CONJUNCTION WITH THE DESIGNATED SUBSTANCE AND HAZARDOUS MATERIALS ASSESSMENT REPORT.
2) NOT ALL ASBESTOS-CONTAINING MATERIALS ARE INDICATED IN THE FLOOR PLAN. REFER TO THE DESIGNATED SUBSTANCE AND HAZARDOUS MATERIALS REPORT FOR FURTHER DETAILS.
3) REMOVAL OR DISTURBANCE OF ASBESTOS-CONTAINING BUILDING MATERIALS MUST BE CONDUCTED IN ACCORDANCE WITH ONTARIO REGULATION 278/05 "DESIGNATED SUBSTANCE - ASBESTOS ON CONSTRUCTION PROJECTS AND IN BUILDINGS AND REPAIR OPERATIONS".

FLOOR 3

ROOF REPLACEMENT & WINDOW
REHABILITATION PROJECT

EVA PHOENIX TRANSITIONAL HOUSING
60 BRANT STREET
TORONTO, ON

DRAWING NO.

DS-3

DATE: JUNE 2026

SAFETECH PROJECT NO.
1-3260479



3045 SOUTHCREEK RD. UNIT 14
MISSISSAUGA, ONTARIO
L4X 2X7



SAFETECH PROJECT NO.
1-3260479



Appendix III: Laboratory Certificate of Analysis – Asbestos



EMSL Canada Inc.

2756 Slough Street Mississauga, ON L4T 1G3
Phone/Fax: (289) 997-4602 / (289) 997-4607
<http://www.EMSL.com> / torontolab@emsl.com

EMSL Canada Order 552611203
Customer ID: 55SELI62
Customer PO: 1-3260479
Project ID:

Attn: Amit Kaul
Safetech Environmental Limited
3045 Southcreek Road
Unit 14
Mississauga, ON L4X 2X7
Proj: 60 Brant/ 1-3260479

Phone: (905) 624-2722
Fax: (905) 624-4306
Collected:
Received: 6/03/2026
Analyzed: 6/04/2026

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 1A-Tar Felt **Lab Sample ID:** 552611203-0001
Sample Description: Roof Felt/ Lower Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	15.0%	85.0%	None Detected	

Client Sample ID: 1A-Tar **Lab Sample ID:** 552611203-0001A
Sample Description: Roof Felt/ Lower Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 1B-Tar Felt **Lab Sample ID:** 552611203-0002
Sample Description: Roof Felt/ Lower Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	15.0%	85.0%	None Detected	

Client Sample ID: 1B-Tar **Lab Sample ID:** 552611203-0002A
Sample Description: Roof Felt/ Lower Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 1C-Tar Felt **Lab Sample ID:** 552611203-0003
Sample Description: Roof Felt/ Lower Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	15.0%	85.0%	None Detected	

Client Sample ID: 1C-Tar **Lab Sample ID:** 552611203-0003A
Sample Description: Roof Felt/ Lower Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 2A-Membrane **Lab Sample ID:** 552611203-0004
Sample Description: EPDM Membrane/ Doghouse

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	20.0%	80.0%	None Detected	



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<http://www.EMSL.com> / torontolab@emsl.com

EMSL Canada Order 552611203
Customer ID: 55SELI62
Customer PO: 1-3260479
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 2A-Tar Felt **Lab Sample ID:** 552611203-0004A

Sample Description: EPDM Membrane/ Doghouse

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	15.0%	85.0%	None Detected	

Client Sample ID: 2B-Membrane **Lab Sample ID:** 552611203-0005

Sample Description: EPDM Membrane/ Doghouse

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	20.0%	80.0%	None Detected	

Client Sample ID: 2B-Tar Felt **Lab Sample ID:** 552611203-0005A

Sample Description: EPDM Membrane/ Doghouse

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	15.0%	85.0%	None Detected	

Client Sample ID: 2C-Membrane **Lab Sample ID:** 552611203-0006

Sample Description: EPDM Membrane/ Lower Roof/s

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	20.0%	80.0%	None Detected	

Client Sample ID: 2C-Tar Felt **Lab Sample ID:** 552611203-0006A

Sample Description: EPDM Membrane/ Lower Roof/s

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	15.0%	85.0%	None Detected	

Client Sample ID: 3A-Tar Felt **Lab Sample ID:** 552611203-0007

Sample Description: Capsheet/ Roof on Stairs

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	10.0%	90.0%	None Detected	

Client Sample ID: 3A-Tar **Lab Sample ID:** 552611203-0007A

Sample Description: Capsheet/ Roof on Stairs

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 3B-Tar Felt **Lab Sample ID:** 552611203-0008

Sample Description: Capsheet/ Roof on Stair

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	10.0%	90.0%	None Detected	



EMSL Canada Inc.

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<http://www.EMSL.com> / torontolab@emsl.com

EMSL Canada Order 552611203
Customer ID: 55SELI62
Customer PO: 1-3260479
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 3B-Tar **Lab Sample ID:** 552611203-0008A

Sample Description: Capsheet/ Roof on Stair

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 3C-Tar Felt **Lab Sample ID:** 552611203-0009

Sample Description: Capsheet/ Roof on Stair

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	15.0%	85.0%	None Detected	

Client Sample ID: 3C-Tar **Lab Sample ID:** 552611203-0009A

Sample Description: Capsheet/ Roof on Stair

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 4A-Tar Felt **Lab Sample ID:** 552611203-0010

Sample Description: Vapour Barrier/ Roof on Stairs

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	15.0%	85.0%	None Detected	

Client Sample ID: 4A-Tar **Lab Sample ID:** 552611203-0010A

Sample Description: Vapour Barrier/ Roof on Stairs

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 4B-Tar Felt **Lab Sample ID:** 552611203-0011

Sample Description: Vapour Barrier/ Roof on Stairs

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	15.0%	85.0%	None Detected	

Client Sample ID: 4B-Tar **Lab Sample ID:** 552611203-0011A

Sample Description: Vapour Barrier/ Roof on Stairs

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 4C-Tar Felt **Lab Sample ID:** 552611203-0012

Sample Description: Vapour Barrier/ Roof on Stairs

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	10.0%	90.0%	None Detected	



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Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 4C-Tar **Lab Sample ID:** 552611203-0012A

Sample Description: Vapour Barrier/ Roof on Stairs

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 5A-Tar **Lab Sample ID:** 552611203-0013

Sample Description: Roof Felt/ Upper Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 5A-Tar Felt **Lab Sample ID:** 552611203-0013A

Sample Description: Roof Felt/ Upper Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	20.0%	80.0%	None Detected	

Client Sample ID: 5B-Tar **Lab Sample ID:** 552611203-0014

Sample Description: Roof Felt/ Upper Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 5B-Tar Felt **Lab Sample ID:** 552611203-0014A

Sample Description: Roof Felt/ Upper Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	40.0%	60.0%	None Detected	

Client Sample ID: 5C-Tar **Lab Sample ID:** 552611203-0015

Sample Description: Roof Felt/ Upper Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 5C-Tar Felt **Lab Sample ID:** 552611203-0015A

Sample Description: Roof Felt/ Upper Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	25.0%	75.0%	None Detected	

Client Sample ID: 6A-Tar **Lab Sample ID:** 552611203-0016

Sample Description: Vapour Barrier/ Upper Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	



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Customer ID: 55SELI62
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Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 6A-Tar Paper **Lab Sample ID:** 552611203-0016A

Sample Description: Vapour Barrier/ Upper Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Brown/Black	55.0%	45.0%	None Detected	

Client Sample ID: 6B-Tar **Lab Sample ID:** 552611203-0017

Sample Description: Vapour Barrier/ Upper Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 6B-Tar Paper **Lab Sample ID:** 552611203-0017A

Sample Description: Vapour Barrier/ Upper Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Brown/Black	55.0%	45.0%	None Detected	

Client Sample ID: 6C **Lab Sample ID:** 552611203-0018

Sample Description: Vapour Barrier/ Upper Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Brown/Black	50.0%	50.0%	None Detected	

Client Sample ID: 7A-Tar **Lab Sample ID:** 552611203-0019

Sample Description: Old roof felt/ Doughouse

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 7A-Tar Felt **Lab Sample ID:** 552611203-0019A

Sample Description: Old roof felt/ Doughouse

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	20.0%	80.0%	None Detected	

Client Sample ID: 7A-Fibreboard **Lab Sample ID:** 552611203-0019B

Sample Description: Old roof felt/ Doughouse

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Brown	80.0%	20.0%	None Detected	

Client Sample ID: 7B-Tar **Lab Sample ID:** 552611203-0020

Sample Description: Old roof felt/ Doughouse

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	



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Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 7B-Tar Felt **Lab Sample ID:** 552611203-0020A

Sample Description: Old roof felt/ / Doughouse

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	20.0%	80.0%	None Detected	

Client Sample ID: 7C-Tar **Lab Sample ID:** 552611203-0021

Sample Description: Old roof felt/ / Doughouse

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 7C-Tar Felt **Lab Sample ID:** 552611203-0021A

Sample Description: Old roof felt/ / Doughouse

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	25.0%	75.0%	None Detected	

Client Sample ID: 7C-Fibreboard **Lab Sample ID:** 552611203-0021B

Sample Description: Old roof felt/ / Doughouse

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Brown	80.0%	20.0%	None Detected	

Client Sample ID: 8A **Lab Sample ID:** 552611203-0022

Sample Description: Vapour Barrier/ Lower Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Brown	80.0%	20.0%	None Detected	

Client Sample ID: 8B **Lab Sample ID:** 552611203-0023

Sample Description: Vapour Barrier/ Lower Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Brown	80.0%	20.0%	None Detected	

Client Sample ID: 8C **Lab Sample ID:** 552611203-0024

Sample Description: Vapour Barrier/ Lower Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Brown	80.0%	20.0%	None Detected	

Client Sample ID: 9A-Block Fill **Lab Sample ID:** 552611203-0025

Sample Description: Brick Mortar/ Community Kitchen

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	White	0.0%	100.0%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 9A-Mortar

Lab Sample ID: 552611203-0025A

Sample Description: Brick Mortar/ Community Kitchen

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 9B

Lab Sample ID: 552611203-0026

Sample Description: Brick Mortar/ 202

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 9C

Lab Sample ID: 552611203-0027

Sample Description: Brick Mortar/ Exterior

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Gray	0.0%	100.0%	None Detected	

Client Sample ID: 10A-Glazing 1

Lab Sample ID: 552611203-0028

Sample Description: Hard window glazing/ Floor 2 by 202

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Gray/Black	0.0%	100.0%	None Detected	

Client Sample ID: 10A-Glazing 2

Lab Sample ID: 552611203-0028A

Sample Description: Hard window glazing/ Floor 2 by 202

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Beige	0.0%	100.0%	None Detected	

Client Sample ID: 10A-Cementitious Material

Lab Sample ID: 552611203-0028B

Sample Description: Hard window glazing/ Floor 2 by 202

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 10B

Lab Sample ID: 552611203-0029

Sample Description: Hard window glazing/ Floor 2 by 202

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Gray/Orange	0.0%	100.0%	None Detected	

Client Sample ID: 10C

Lab Sample ID: 552611203-0030

Sample Description: Hard window glazing/ Outside 324

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Gray/Orange	0.0%	100.0%	None Detected	



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Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 11A

Lab Sample ID: 552611203-0031

Sample Description: Brown Caulking/ On flashing Lower Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/04/2026	Black	0.0%	100%	<0.25% Chrysotile	

Client Sample ID: 11B

Lab Sample ID: 552611203-0032

Sample Description: Brown Caulking/ On exhaust vent Upper Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/04/2026	Black	0.0%	100%	None Detected	

Client Sample ID: 11C

Lab Sample ID: 552611203-0033

Sample Description: Brown Caulking/ On RTU Upper Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/04/2026	Black	0.0%	100%	None Detected	

Client Sample ID: 12A

Lab Sample ID: 552611203-0034

Sample Description: Black remnant caulking above flashing/ Lower Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/04/2026	Gray	0.0%	98.0%	2.0% Chrysotile	

Client Sample ID: 12B

Lab Sample ID: 552611203-0035

Sample Description: Black remnant caulking above flashing/ Lower Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/04/2026				Positive Stop (Not Analyzed)	

Client Sample ID: 12C

Lab Sample ID: 552611203-0036

Sample Description: Black remnant caulking above flashing/ Lower Roof

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/04/2026				Positive Stop (Not Analyzed)	

Client Sample ID: 13A

Lab Sample ID: 552611203-0037

Sample Description: Drywall joint compound/ 232

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 13B

Lab Sample ID: 552611203-0038

Sample Description: Drywall joint compound/ Floor 3 North Area

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	White	0.0%	100.0%	None Detected	



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Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Client Sample ID: 13C

Lab Sample ID: 552611203-0039

Sample Description: Drywall joint compound/ Floor 3 North Area

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	White	0.0%	100.0%	None Detected	

Client Sample ID: 14A

Lab Sample ID: 552611203-0040

Sample Description: Soft White Caulking/ Community Kitchen

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/04/2026	White	0.0%	100%	None Detected	

Client Sample ID: 14B

Lab Sample ID: 552611203-0041

Sample Description: Soft White Caulking/ 202

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/04/2026	White	0.0%	100%	None Detected	

Client Sample ID: 14C

Lab Sample ID: 552611203-0042

Sample Description: Soft White Caulking/ 202

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM Grav. Reduction	6/04/2026	White	0.0%	100%	None Detected	

Client Sample ID: 15A

Lab Sample ID: 552611203-0043

Sample Description: Window Glass Glazing/ Exterior

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 15B

Lab Sample ID: 552611203-0044

Sample Description: Window Glass Glazing/ Exterior

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	

Client Sample ID: 15C

Lab Sample ID: 552611203-0045

Sample Description: Window Glass Glazing/ Exterior

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	6/04/2026	Black	0.0%	100.0%	None Detected	



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Customer ID: 55SELI62
Customer PO: 1-3260479
Project ID:

Summary Test Report for Asbestos Analysis of Bulk Materials for Ontario Regulation 278/05

Analyst(s):

Diana Costantino	PLM (34) PLM Grav. Reduction (5)
Nickesh Mistry	PLM (27) PLM Grav. Reduction (2)

Reviewed and approved by:

Matthew Davis or other approved signatory
or Other Approved Signatory

None Detected = <0.1%. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This is a summary report; official reports are available on LabConnect or upon request and relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Canada Inc. Mississauga, ON NVLAP Lab Code 200877-0

Initial report from: 06/04/2026 20:19:35

Appendix IV: Laboratory Certificate of Analysis – Lead

**EMSL Canada Inc.**

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EMSL Canada Or 552611202

CustomerID: 55SELI62

CustomerPO: 1-3260479

ProjectID:

Attn: **Amit Kaul**
Safetech Environmental Limited
3045 Southcreek Road
Unit 14
Mississauga, ON L4X 2X7

Phone: (905) 624-2722
Fax: (905) 624-4306
Received: 6/3/2026 03:39 PM
Collected:

Project: **60 Brant / 1-3260479****Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)***

<i>Client Sample</i>	<i>Description</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>RDL</i>	<i>Lead Concentration</i>
P-1			6/4/2026	0.2537 g	0.0064 % wt	<0.0064 % wt
552611202-0001	Site: White Paint-232					
P-2			6/4/2026	0.2504 g	0.032 % wt	1.3 % wt
552611202-0002	Site: White paint on windows- floor 3					

Rowena Fanto, Lead Supervisor
or other approved signatory

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Samples analyzed by EMSL Canada Inc. Mississauga, ON AIHA LAP, LLC-ELLAP Accredited #196142

Initial report from 06/04/2026 13:16:53

Appendix V: Methodology

A. METHODOLOGY

The presence of hazardous materials was assessed by visual inspection. For the purpose of this assessment and this document, hazardous materials include designated substances as well as other chemical, biological and environmental hazards as defined below:

- Designated Substances (as prescribed by Ontario Regulation 490/09):
 - Acrylonitrile, Arsenic, Asbestos, Benzene, Coke Oven Emissions, Ethylene Oxide, Isocyanates, Lead, Mercury, Silica and Vinyl Chloride.
- Other Hazardous Materials:
 - **Chemical Hazards** – Urea Formaldehyde Foam Insulation (UFFI)
 - **Biological Hazards** – Mould Contamination and Pest Infestation
 - **Environmental Hazards** – Polychlorinated Biphenyls (PCBs) and Ozone Depleting & Global Warming Substances

Concealed locations such as above solid plaster or drywall ceilings, within plaster or drywall wall cavities, enclosed mechanical/pipe shafts and bulkheads, etc. were not investigated, unless otherwise stated in Section 1.3. Similarly, motors, blowers, electrical panels, etc., were not de-energized or disassembled to examine concealed conditions. Building materials that are not detailed within this assessment due to inaccessibility at the time of our site visit and/or uncovered during renovation/demolition activities should be assessed by a qualified person prior to their disturbance.

Bulk sampling followed by laboratory analysis was also conducted to confirm the presence/absence of select hazardous materials. Bulk sampling was limited to asbestos in building materials and lead in paint on building finishes (if flaking paint was present). All other hazardous materials were identified by visual inspection only. Where possible, observations regarding the location, quantity and condition of the hazardous materials identified were made in order to determine the potential for exposure and provide appropriate recommendations for remedial action, if necessary. Specific methodology for each individual hazardous material assessed is further detailed below.

A.1 Designated Substances

A.1.1 Asbestos

A visual inspection for the presence of both friable and non-friable asbestos-containing material (ACM) was performed in the subject area.

If an existing asbestos survey was available for review, Safetech relied on the information present. Building materials that were visually similar to materials previously tested and that were confirmed to be either ACM or non-ACM were considered to have consistent content and were not re-sampled. Additional sampling was only conducted where the investigator believed a need existed.

Bulk samples of building materials suspected to contain asbestos were retrieved by Safetech only for materials that were deemed to have a potential to be disturbed as part

of the construction project. Some suspect materials may not have been sampled during our investigation. Bulk samples were retrieved in accordance with Section 3 and Table 1 of Ontario Regulation 278/05, "Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations". The number of samples collected for each material was based on the type and quantity of the material present in the subject area. Each individual sample was placed in a labeled zip-lock bag for transportation to an independent laboratory (EMSL). EMSL is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos fiber analysis.

Analysis for asbestos content was performed by the independent laboratory in accordance with the U.S. Environmental Protection Agency (EPA) Test Method *EPA/600/R-93-116: Method for the Determination of Asbestos in Bulk Building Materials (June 1993)*. This method identifies the asbestos fibre content of building materials using polarized light microscopy (PLM) analytical techniques, with confirmation of presence and type of asbestos made by dispersion staining optical microscopy. This analytical method meets the requirements set forth in Section 3 of O. Reg. 278/05.

In accordance with O. Reg. 278/05, an asbestos-containing material is defined as material that contains 0.5 per cent or more asbestos by dry weight. The laboratory was instructed to conduct "stop-positive" analysis for all materials. If a sample was found to be asbestos-containing no further analysis was conducted for samples taken from the same homogeneous material.

Locations where ACM have been identified are detailed in this report. Recommendations pertaining to ACM were made based on the friability, accessibility and condition of the material in conjunction with the potential for the planned renovation work to disturb the ACM.

A.1.2 Assessment of Asbestos-Containing Building Materials

Accessibility, Condition and Action (Priority) ratings for individual items, or defined areas were developed by Safetech to determine remedial action plans specific to the facility's needs.

A.1.2.1 Accessibility

Accessibility has been assessed as: (A) Accessible to all non-maintenance occupants of the building; (B) Accessible to maintenance staff without a ladder; (C) Accessible to maintenance staff with a ladder and exposed to view without moving a building component; (D) Accessible to maintenance staff with a ladder and concealed from view due to a building component; (E) Not accessible without demolition or removal of fixed building components or building systems

A.1.2.2 Condition

The condition of asbestos-containing materials identified in the subject area was assessed as Good (G), Fair (F) or Poor (P). The assessment criteria used to determine condition is dependent on material characteristics, such as friability. The following table summarizes the criteria used by Safetech to evaluate the condition of ACM.

Sprayed Fireproofing, Sprayed Insulation and Sprayed Texture Finishes	
Good	<ul style="list-style-type: none"> Surface shows no significant signs of damage, deterioration, or delamination (i.e. <1%). Unencapsulated or unpainted fireproofing or texture finishes, where no delamination or damage is observed. Encapsulated fireproofing or texture finishes where encapsulation applied after damage or fallout.
Fair	<ul style="list-style-type: none"> Not utilized as part of condition assessment for these materials.
Poor	<ul style="list-style-type: none"> Greater than 1% damage, delamination, or deterioration to surface.
In areas where damage exists in isolated locations, both Good and Poor may be applicable.	
Mechanical Insulation (boilers, breeching, ductwork, piping, tanks, equipment, etc.)	
Good	<ul style="list-style-type: none"> Insulation completely covered in jacketing and exhibits no evidence of damage or deterioration. Jacketing may have minor damage (i.e. scuffs or stains), but is not penetrated.
Fair	<ul style="list-style-type: none"> Minor penetrating damage to jacketed insulation (cuts, tears, nicks, deterioration or delamination). Undamaged insulation that had never been jacketed. Insulation is exposed but not showing surface disintegration. Extent of missing insulation ranges from minor to none. Damage that can be repaired.
Poor	<ul style="list-style-type: none"> Original insulation jacket is missing, damaged, deteriorated, or delaminated. Insulation is exposed and significant areas have been dislodged. Damage that cannot be easily repaired.
Non-Friable and Potentially Friable Materials (includes materials such as plaster finishes, drywall compound, ceiling tiles, asbestos cement products, vinyl asbestos tile and asbestos paper backed vinyl sheet flooring, etc., which have the potential to become friable when handled)	
Good	<ul style="list-style-type: none"> No significant damage. Material may be cracked or broken but is stable and not likely to become friable upon casual contact. No friable debris present
Fair	<ul style="list-style-type: none"> Not utilized as part of condition assessment for these materials.
Poor	<ul style="list-style-type: none"> Material is severely damaged. Debris is present or binder has disintegrated to the point where the material has become friable.
Asbestos-Containing Debris (noted separately from the presumed source material)	
Poor	<ul style="list-style-type: none"> Debris is always considered to be in Poor condition.

A.1.2.3 Action

Recommended ACTION for compliance and for management of identified asbestos-containing materials has been provided for each condition and component outlined in the above table. Recommendations have been classified under the following 8 ACTIONS:

1. Action dealing with the immediate clean-up of fallen ACM likely to be disturbed.

2. Action dealing with the need to use Type 2 asbestos procedures to enter an area (other than a ceiling space).
3. Action dealing with performing asbestos removal for compliance with regulations.
4. Action dealing with Type 2 asbestos procedures for ceiling entry where friable ACM debris is present on the top side of a ceiling system.
5. Action dealing with the removal of asbestos that goes beyond compliance requirements but simplifies the asbestos management.
6. Action dealing with the repair of asbestos.
7. Action dealing with ACM surveillance requirements of the regulation.
8. Action for dealing with material that may contain asbestos but was not conclusively identified in the survey.

A.1.2.4 Quantity

The approximate quantity and the units of measure related to the quantity (i.e.: linear feet (LF), square feet (SF) or each (EACH) as appropriate to the item) have only been provided for materials requiring remedial or corrective action (i.e. materials in Fair or Poor condition). In such circumstances any quantities provided should be considered rough estimates only and should not be solely relied upon for bidding purposes. It is the responsibility of the selected Contractor to obtain actual quantities.

A.2 Lead

If paint samples were collected, they would be collected by scraping the paint down to the base material substrate to ensure collection of all layers of paint. Care would be taken to avoid collection of the underlying substrate to reduce analytical substrate matrix interference.

If collected, paint samples would be submitted to an independent laboratory for the determination of lead content. The laboratory would participate in and accredited by the EPA (U.S. Environmental Protection Agency) for analysis of lead in paint chips through the American Industrial Hygiene Association (AIHA) Environmental Lead Laboratory Accreditation Program (ELLAP). Analysis would be conducted by the laboratory following the EPA "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (SW-846), Method 7000B "Flame Atomic Absorption Spectrophotometry". Result of analysis would be reported by the laboratory as the percentage of lead by weight of the total sample (% by wt.).

The presence of lead in other materials, such as lead sheeting, pigmented mortar, lead piping, lead solder, etc. would be noted where observed but not sampled to verify lead content. Lead can be present in these materials to varying degrees, depending on their age of application and should be considered lead-containing until proven otherwise.

A.3 Mercury

The type, quantity and location of mercury-containing equipment and devices in the subject area were determined by visual inspection based on appearance, age and knowledge of historical uses. Sampling for mercury-containing building materials and dismantling of suspect mercury-containing equipment was not performed. Where possible, attempts were made to verify the presence/absence of mercury by gathering additional information such as equipment model number, serial number, etc.

A.4 Silica

The presence of crystalline silica in building materials was determined through visual inspection of building materials only, based on knowledge of the historic use of silica-containing materials in certain building materials. Sampling to verify the presence/absence of silica in building materials was not performed.

A.5 Other Designated Substances

Other designated substances (i.e. acrylonitrile, arsenic, benzene, coke oven emissions, ethylene oxide, isocyanates, and vinyl chloride) are typically not expected to be encountered in building materials as significant constituents or in a form that would represent an exposure concern. These substances were not included in the assessment unless specific information regarding their use (e.g. in a manufacturing process) was provided to us. No sampling for these designated substances was performed.

A.6 Other Hazardous Materials

A.6.1 Chemical Hazards

A.6.1.1 Urea Formaldehyde Foam Insulation (UFFI)

A visual inspection to evaluate the possible presence of Urea Formaldehyde Foam Insulation (UFFI) was conducted in the subject area. Our visual inspection was limited to identifying evidence of possible UFFI installation (i.e. repaired nozzle holes in walls) and overspray at wall/ceiling joints, etc. No destructive testing or material sampling was conducted as part of the assessment.

A.7 Biological Hazards

A.7.1.1 Mould Contamination

A visual inspection to determine the possibility of mould growth was conducted in the subject area. The assessment was limited to identifying evidence of mould growth and water damage (staining, material deterioration, efflorescence, etc.) on the surface of building materials, which may be an indicator of hidden mould growth. No moisture content readings of building materials were taken to determine their current condition. Additionally, destructive testing to confirm the presence/absence of hidden mould growth and material sampling to verify the presence/absence of mould on suspect surfaces was beyond the scope of this assessment.

A.7.1.2 Pest Infestation

The presence and extent of pest infestation in the subject area was based on visually inspecting for evidence of significant pest activity, including signs of nesting, droppings/fecal accumulation, dead insects/carcass accumulation, etc. Evidence of minor pest presence was not considered to be indicative of pest infestation.

A.8 Environmental Hazards

A.8.1 Polychlorinated Biphenyls (PCBs)

The presence of PCB-containing electrical equipment in the subject area was identified through visual inspection and knowledge of the timeline of historical use.

For stand-alone transformers and capacitors, information from the manufacturer nameplate (such as the date of manufacture, dielectric fluid trade name or “Type Number”, etc.) was gathered, where possible, to further evaluate if the equipment may contain PCBs. This information was then compared to the information provided in the Environment Canada document entitled “Handbook on PCB’s in Electrical Equipment” (Third Edition, April 1988) to aid in identification. Transformers and capacitors confirmed to be manufactured after 1979 were assumed to not contain PCBs. If appropriate information could not be obtained it was assumed that the transformer or capacitor contained PCBs.

For fluorescent light ballasts, a representative number of fixtures were inspected, if possible, for assessment areas that were constructed prior to 1980 and where there was no history or evidence of a complete lighting retrofit. The light fixtures were examined by removing any lenses and ballast covers to expose the ballast and identify information such as ballast make, model number, serial number, and date code. This information was then compared to the information provided in the Environment Canada document entitled “Identification of Lamp Ballasts Containing PCBs” (Report EPS 2/CC/2 (revised) August 1991) to aid in identification. Ballasts that could not be confirmed Non-PCB-containing were assumed to contain PCBs. The light fixtures were not de-energized and ballasts were not removed to obtain manufacturer information that may be on the back of the ballast. If visual confirmation of ballast type could not be made it was assumed that light fixtures in areas constructed prior to 1980 that have not undergone a complete lighting retrofit have PCB-containing ballasts until proven otherwise.

No sampling of materials or fluids within equipment was conducted to verify the presence/absence of PCBs. Inspection and testing of other materials for PCB content, including (but not limited to) caulking, asphalt, oil-based paint, plastics, switches, electric cables and hydraulic fluids was beyond the scope of the assessment.

A.8.2 Ozone Depleting and Global Warming Substances

The presence of fixed equipment likely to contain ozone-depleting substances (ODS) and/or global-warming substances (GWS) was identified through visual inspection and

knowledge of the timeline of historical use. This included equipment such as chillers, air-conditioners, walk-in refrigeration and freezer units and fixed dry-chemical fire extinguishers, where chemicals such as hydrochlorofluorocarbons (HCFCs), hydrofluorocarbons (HFCs) or halons may be present. Where possible, information regarding the type and quantity of refrigerant present was obtained from the manufacturer nameplate. Our visual assessment was limited to fixed equipment in the subject area and did not include portable equipment such as stand-alone refrigerators, freezers, water coolers, air-conditioners and fire extinguishers, etc.

HAZARDOUS BUILDING MATERIALS REMOVAL SPECIFICATIONS

Project:

Roof Replacement and Window Rehabilitation Project
Eva Phoenix Transitional Housing
60 Brant Street, Toronto, Ontario

Sections:

Section 02 82 13.1 – Type 1 Asbestos Abatement
Section 02 82 13.2 – Type 2 Asbestos Abatement
Section 02 82 13.3 – Type 3 Asbestos Abatement
Section 02 83 13 – Lead Disturbance Precautions
Section 02 84 16 – Handling of Mercury Containing Equipment
Section 02 87 13 – Silica Disturbance Precautions

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June 2026

Part 1 GENERAL

1.1 GENERAL REQUIREMENTS

1. Conform to Sections of Division 1 as applicable.

1.2 RELATED SECTIONS

1. Section 02 82 13.2 – Type 2 Asbestos Abatement
2. Section 02 82 13.3 – Type 3 Asbestos Abatement
3. Section 02 83 13 – Lead Disturbance Precautions
4. Section 02 84 16 – Handling of Mercury Containing Equipment
5. Section 02 87 13 – Silica Disturbance Precautions

1.3 SITE CONDITIONS

1. Types of asbestos present: Chrysotile present within but not limited to; black remnant caulking above roof flashing.
2. Materials identified to contain Asbestos can be found within the Safetech Environmental Limited report titled “Designated Substances and Hazardous Materials Assessment Report, Roof Replacement and Window Rehabilitation Project, Eva Phoenix Transitional Housing, 60 Brant Street, Toronto, Ontario” issued on June 8, 2026.
3. Removal or disturbance of asbestos-containing materials must be conducted in accordance with Ontario Regulation 278/05 (O. Reg. 278/05), “Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations” as made under the Occupational Health and Safety Act.

1.4 DESCRIPTION OF WORK

1. The following area classified as Type 1 Operations:
 1. Installing or removing non-friable asbestos-containing material, other than ceiling tiles, if the material is installed or removed without being broken, cut, drilled, abraded, ground, sanded or vibrated.
 2. Breaking, cutting, drilling, abrading, grinding, sanding or vibrating non-friable asbestos-containing material if,
 1. the material is wetted to control the spread of dust or fibres, and
 2. the work is done only by means of non-powered hand-held tools.
 3. Removing less than one square metre of drywall in which joint-filling compounds that are asbestos-containing material have been used. O. Reg. 278/05, s. 12 (2).
2. Perform removal of asbestos-containing window frame caulking in accordance with Section 02 82 13.1.
3. Non-friable asbestos handling shall be performed by firms and workers fully experienced in asbestos control.
4. Handle non-friable asbestos materials required to be removed as specified herein.

5. Seal all surfaces from which asbestos has been cleaned or removed with slow drying sealer.
6. Obtain and submit copy of necessary permits for transporting and disposal of asbestos waste.
7. Protect surfaces in asbestos work area(s) and prevent spread of asbestos dust by use of drop sheets and polyethylene sheeting or other acceptable material.
8. During, and at the completion of work, clean asbestos work area(s) as specified.

1.5 DEFINITIONS

1. **Asbestos Work Area(s):** Area(s) where work takes place which will, or may, disturb asbestos-containing material.
2. **Authorized Visitor(s):** Owner's Consultant or person(s) representing regulatory agencies, and person(s) authorized by them.
3. **HEPA Filter:** High Efficiency Particulate Aerosol filter at least 99.97 percent efficient in collecting 0.3 micrometer aerosol.
4. **Non-Friable Material:** Material that when dry cannot be crumbled, pulverized or powdered by hand pressure. Includes, but not limited to, following asbestos containing products: vinyl asbestos floor tiles, resilient sheet flooring, acoustic ceiling and wall tiles, gaskets, seals, packings, friction products, drywall joint compounds and asbestos cement panels, shingles and piping.
5. **Polyethylene Sheeting:** Polyethylene sheeting of 0.15 mm (6 mil) minimum thickness with tape seals along edges, around penetrating objects, over cuts and tears, and elsewhere as required to provide continuous membrane protection.

1.6 REGULATIONS

1. Comply with Ontario Regulation 278/05 (O. Reg. 278/05), "Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations" as made under the Occupational Health and Safety Act, as amended, and local requirements pertaining to asbestos. In case of conflict with these Specifications, the most stringent requirements shall apply.
2. Handle and dispose of contaminated waste as required by R.R.O. 1990, Regulation 347, "General – Waste Management", as amended, made under The Environmental Protection Act.

1.7 WORKER PROTECTION

1. Respirators are not mandatory for Type 1 work with non-friable asbestos-containing materials, however, if requested by workers, provide half-face air-purifying respirator with N-, R-, or P-100 filters in accordance with Table 2 of O. Reg. 278/05. Provide proper instruction to workers in use of respirators including qualitative fit testing. Replace filters as necessary, according to manufacturer's instructions. Workers shall not wear facial hair that affects seal between respirator and face. Contractor to post on job bulletin Owner instructions, procedures and information pertaining to abatement work.
2. Provide, and insist on using, facilities for washing of hands and face by every worker when leaving asbestos work area. Prohibit smoking, eating and drinking in asbestos work area.

Part 2 PRODUCTS

2.1 MATERIALS

1. **Asbestos Waste Receptors:** 2 separate containers of which 1 shall consist of 0.15 mm (6 mil) minimum thickness sealable polyethylene bag. Other container may be 0.15 mm (6 mil) minimum thickness polyethylene bag or rigid sealable container such as cardboard or metal or fibre drum or wood box. Other container shall be adequate to prevent perforating rips or tears in first container during filling, transport or disposal. Containers must be acceptable to disposal site selected and Ministry of the Environment, Conservation and Parks. Containers shall be labelled in accordance with Ministry of the Environment, Conservation and Parks regulations.
2. **HEPA Vacuum:** Vacuum with all necessary fittings, tools and attachments. Air must pass HEPA filter before discharge.
3. **Sprayer:** Garden-type portable manual sprayer, low velocity, capable of producing mist or fine spray.
4. **Polyethylene Sheeting:** 0.15 mm (6mil) minimum thickness unless otherwise specified; in sheet size to minimize joints.
5. **Tape:** Tape suitable for sealing polyethylene to surface encountered under wet conditions using amended water and under dry conditions.
6. **Amended Water:** Water with non-ionic water wetting agent added.

Part 3 PART 3 - EXECUTION

3.1 PREPARATION

1. Before disturbing non-friable asbestos materials, cover ground below work with polyethylene sheeting.
2. Wherever dust on surfaces within designated asbestos work areas is likely to be disturbed, remove beforehand with HEPA vacuum or damp cloth.

3.2 REMOVAL OF NON-FRIABLE CAULKING

1. Where possible wet materials to be disturbed.
2. Saturate asbestos to prevent release of airborne fibres during removal. Place fully saturated asbestos directly into waste containers.
3. When removing exterior caulking, start by wedging scraper beneath caulking and gradually sliding scraper under to remove longer sections. Whenever possible, remove materials intact. Break only if unavoidable. If broken, wet freshly exposed edges.
4. Immediately place waste in asbestos waste receptor. Clean area frequently during work with HEPA vacuum or with wet methods.
5. Dispose of drop sheets as asbestos waste. Do not re-use.

3.3 WASTE TRANSPORT AND DISPOSAL

1. Conform to requirements of Regulation 347 (as amended), made under The Environmental Protection Act for Waste Management, transporting and disposal of hazardous waste.
2. Check with dump operator to determine type of waste containers acceptable.
3. Ensure shipment of containers to dump is taken by waste hauler licensed to transport asbestos waste.
4. Each load requires completion of bill of lading showing type and weight of hazardous waste being transported.
5. Co-operate with Ministry of the Environment, Conservation and Parks inspectors and immediately carry out instructions for remedial work at dump to maintain environment, at no additional cost to Owner.
6. Ensure dump operator is fully aware of hazardous material being dumped.
7. Ensure that containers used for dumping are locked and covered at all times.

END OF SECTION

Part 1 General

1.1 GENERAL REQUIREMENTS

1. Conform to Sections of Division 1 as applicable.

1.2 RELATED SECTIONS

1. Section 02 82 13.1 – Type 1 Asbestos Abatement
2. Section 02 82 13.3 – Type 3 Asbestos Abatement
3. Section 02 83 13 – Lead Disturbance Precautions
4. Section 02 84 16 – Handling of Mercury Containing Equipment
5. Section 02 87 13 – Silica Disturbance Precautions

1.3 SITE CONDITIONS

1. Types of asbestos present: Chrysotile present within, but not limited to; black remnant caulking above roof flashing.
2. Materials identified to contain Asbestos can be found within the Safetech Environmental Limited report titled “Designated Substances and Hazardous Materials Assessment Report, Roof Replacement and Window Rehabilitation Project, Eva Phoenix Transitional Housing, 60 Brant Street, Toronto, Ontario” issued on June 8, 2026.
3. Removal or disturbance of asbestos-containing materials must be conducted in accordance with Ontario Regulation 278/05 (O. Reg. 278/05), “Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations” as made under the Occupational Health and Safety Act.

1.4 DESCRIPTION OF WORK

1. The following are classified as **Type 2 operations** under O. Reg. 278/05:
 1. Removing all or part of a false ceiling to obtain access to a work area, if asbestos-containing material is likely to be lying on the surface of the false ceiling.
 2. The removal or disturbance of one square metre or less of friable asbestos-containing material during the repair, alteration, maintenance or demolition of all or part of machinery or equipment or a building, aircraft, locomotive, railway car, vehicle or ship.
 3. Enclosing friable asbestos-containing material.
 4. Applying tape or a sealant or other covering to pipe or boiler insulation that is asbestos-containing material.
 5. Installing or removing ceiling tiles that are asbestos-containing material, if the tiles cover an area of 7.5 square metres or more and are installed or removed without being broken, cut, drilled, abraded, ground, sanded or vibrated.
 6. Breaking, cutting, drilling, abrading, grinding, sanding or vibrating non-friable asbestos-containing material if,

1. the material is not wetted to control the spread of dust or fibres, and
 2. the work is done only by means of non-powered hand-held tools.
7. Removing one square metre or more of drywall in which joint filling compounds that are asbestos-containing material have been used.
8. Breaking, cutting, drilling, abrading, grinding, sanding or vibrating non-friable asbestos-containing material if the work is done by means of power tools that are attached to dust-collecting devices equipped with HEPA filters.
9. Removing insulation that is asbestos-containing material from a pipe, duct or similar structure using a glove bag.
10. Cleaning or removing filters used in air handling equipment in a building that has sprayed fireproofing that is asbestos-containing material.
11. An operation that,
 1. is not mentioned in 1.41.1 through 1.41.10,
 2. may expose a worker to asbestos, and
 3. is not classified as a Type 1 or Type 3 operation.
2. If removing 1.0m² or less of asbestos-containing texture coat finish, perform all work in accordance with Section 02 82 13.2 (Type 2 Asbestos Abatement).
3. Maintain electrical and mechanical services passing through asbestos work area.
4. Seal all surfaces from which asbestos has been cleaned or removed with slow drying sealer.
5. Dispose of temporary enclosures, disposable equipment and any asbestos-containing or contaminated materials removed, as asbestos waste.
6. All work will be subject to inspection and air monitoring both inside and outside asbestos work area by Owner's Consultant. Any contamination of surrounding areas (indicated by visual inspection or air monitoring) shall necessitate complete enclosure and clean-up of affected areas.

1.5 DEFINITIONS

1. **Asbestos Work Area(s):** Area(s) where work takes place which will, or may disturb asbestos-containing material, including overspray and fallen material, or settled dust that may contain asbestos.
2. **Airlock:** 2 curtained doorways spaced minimum of 2 m (6') apart.
3. **Authorized Visitor(s):** Construction Manager or person(s) representing regulatory agencies, and person(s) authorized by them.
4. **Curtained Doorway:** Device to allow ingress or egress from enclosure while permitting minimal air movement, typically constructed by placing 2 overlapping flaps of polyethylene sheeting (2 sheets of polyethylene per flap) attached to head and 1 jamb of existing or temporarily constructed door frame. Secure vertical edge of 1 flap along 1 vertical side of door frame, and vertical edge of other flap along opposite vertical side of door frame. Reinforce free edges of polyethylene with duct tape.
5. **Friable Material:** Material that when dry can be crumbled, pulverized or powdered by hand pressure and includes such material that is crumbled, pulverized or powdered.

6. **HEPA Filter:** High Efficiency Particulate Aerosol filter at least 99.97 percent efficient in collecting 0.3 micrometer aerosol.
7. **Negative Pressure:** Reduced pressure within asbestos work area(s) established by extracting air directly from work area, and discharging directly to exterior of building. Discharged air first passes through HEPA filter. Extract sufficient air to ensure constant reduced pressure at perimeter of work area with respect to surrounding areas.
8. **Polyethylene Sheeting:** Polyethylene sheeting 0.15 mm (6 mil) minimum thickness; with tape seals along edges, around penetrating objects, over cuts and tears, and elsewhere as required to provide continuous polyethylene membrane protection.

1.6 QUALITY ASSURANCE

1. Ensure work proceeds to Schedule and meets all requirements of this Section. Perform work so airborne asbestos, asbestos waste or water run off does not contaminate areas outside asbestos work enclosure.
2. Pay cost to Owner of inspection and air monitoring performed as result of failure to perform work satisfactorily.
3. Use only skilled and qualified workers for all trades required for this work.

1.7 REGULATIONS

1. Comply with Ontario Regulation 278/05, "Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations" made under Occupational Health and Safety Act (as amended) and local requirements pertaining to asbestos. In case of conflict with these specifications, the most stringent requirements shall apply.
2. Handle and dispose of contaminated waste as required by R.R.O. 1990, "General – Waste Management" made under The Environmental Protection Act (as amended).

1.8 SUBMITTALS

1. Before Commencing Work:
 1. Obtain and submit all necessary permits for transporting and disposal of asbestos waste.
 2. Submit names of supervisory personnel who will be responsible for asbestos work area(s). One of supervisors must remain on Site at all times while asbestos removal or clean-up is occurring. Submit proof that supervisory personnel have attended training course on asbestos control (two-day minimum duration) and have performed supervisory function on at least two other asbestos control projects.
 3. Submit proposed schedule showing phasing and proposed workforce related to each work area enclosure or repair operation.
 4. Submit list of existing damage for acceptance.

1.9 WORKER AND VISITOR PROTECTION

1. Instructions: Before entering asbestos work area(s), instruct workers and visitors in use of respirators, entry and exit procedures, and all aspects of work procedures and protective measures. Instruction shall be provided by competent person as defined by Occupational Health and Safety Act.

2. **Respiratory Protection**

1. Provide appropriate respiratory equipment for all persons within asbestos work area including authorized visitors. Type of respirator (full-face or half-face APR) depends on the classification of Type 2 operation.
 1. **Half-Face Air-Purifying Respirator (APR)**
 1. Half-face APR is required for asbestos operations not specified in specified in 1.92.1.2 below.
 2. **Full Face Air-Purifying Respirator (APR)**
 1. Full-face APR is required for the following Type 2 operations
 1. Removing all or part of a false ceiling to obtain access to a work area, if asbestos-containing material is likely to be lying on the surface of the false ceiling.
 2. Breaking, cutting, drilling, abrading, grinding, sanding or vibrating non-friable asbestos-containing material if the work is done by means of power tools that are attached to dust-collecting devices equipped with HEPA filters **and** the material is not wetted.
 3. **Filters:** acceptable filters include N-, R-, or P-100 filters.
 1. Replace filters daily or test according to manufacturer's specifications and replace as indicated.
 2. Respirators shall be acceptable to Occupational Health Branch of Ministry of Labour, Immigration, Training and Skills Development.
 3. Provide proper instruction to workers and visitors on use of respirators, including qualitative fit testing.
 4. No supervisor, worker or authorized visitor shall wear facial hair which affects seal between respirator and face.
 5. Maintain respiratory protection equipment in proper functioning and clean condition, or remove from site
3. **Protective Clothing:** Provide workers and visitors in asbestos work area with full body coveralls with integral hoods. Once coveralls are worn in asbestos work area, treat and dispose of as asbestos contaminated waste. Workers and visitors shall also wear other protective apparel required by Ministry of Labour, Immigration, Training and Skills Development construction regulations.
 4. Before entering asbestos work area, put on respirator with new or tested filters, clean coveralls and head covers. Wear coveralls with hoods up at all times.
 5. Workers may leave asbestos work area, only after all disturbance of asbestos-containing materials is complete and work area has been cleaned-up. When leaving asbestos work area, workers and visitors must use HEPA vacuum to clean exterior of respirator to remove visible contamination, and remove gross contamination from coveralls and other protective equipment. Immediately upon leaving asbestos work area, workers and visitors shall remove coveralls, wash face and hands thoroughly with soap and water, and wet clean inside of respirator. Remove filters and dispose of or test filters according to manufacturer's specifications. Place coveralls and used filters in receptacles for disposal with other asbestos contaminated materials. Coveralls can be reused, to maximum of 8 hours wear, if coveralls remain inside work area.

6. Do not eat, drink, smoke or chew gum or tobacco in asbestos work area.
7. Workers and visitors shall be fully protected as specified herein whenever possibility of disturbance of asbestos exists.

Part 2 Products

2.1 MATERIALS

1. Polyethylene Sheeting: 0.15 mm (6 mil) minimum thickness unless otherwise specified; in sheet size to minimize joints.
2. Rip-Proof Polyethylene: 0.20 mm (8 mil) fabric made up from 0.13 mm (5 mil) weave and 2 layers 0.04 mm (1.5 mil) poly laminate, in sheet size to minimize joints.
3. Tape: Tape suitable for sealing polyethylene to surface encountered under both wet conditions using amended water, and dry conditions.
4. Wetting Agent: Non-sudsing surface active agent; mixed with water in concentration to provide thorough wetting of asbestos fibre: Asbestos-Wet, distributed by Asbetec Distributors, Richmond Hill, Ontario.
5. Amended Water: Water with wetting agent added.
6. Asbestos Waste Receptors: 2 separate containers of which 1 shall consist of 0.15 mm (6 mil) minimum thickness polyethylene bag. Other container may be 0.15 mm (6 mil) minimum thickness polyethylene bag or rigid sealable container such as metal or cardboard, fibre drum or wood box. Other container shall be adequate to prevent perforating rips, or tears in first container during filling, transport or disposal. Containers must be acceptable to disposal Site selected and Ministry of the Environment, Conservation and Parks.
7. Sealer: Sealer for purpose of trapping residual fibre debris. Product must have flame spread and smoke development ratings both less than 25. Product shall leave no stain when dry: TC-55 (clear), A/D Fire Protection Systems Inc., Scarborough, Ontario. For mechanical equipment, pipes, boilers, etc. use high temperature sealer only: Chil-Abate CP210, Childers Products Company, Mississauga, Ontario.
8. Sprayer: Garden-type portable manual sprayer, low velocity, capable of producing mist or fine spray.
9. HEPA Vacuum: Vacuum with all necessary fittings, tools and attachments. Air must pass HEPA filter before discharge.

Part 3 Execution

3.1 ASBESTOS WORK AREA(S) – FULL ENCLOSURE

1. Full enclosures must be constructed for Type 2 operations mentioned in 1.41.2 and 1.3 in Section 02 82 13.2 (Type 2 Asbestos Abatement).
2. Move equipment, tools, and stored materials which can be moved without disturbing asbestos-containing materials.
3. Remove elements which can be removed without disturbing asbestos-containing materials.

4. If working from within building, request building personnel to shut off air handling and ventilation systems supplying or exhausting from asbestos work area enclosure(s). Ensure air-handling systems remain shut off for duration of work.
5. Erect wood or metal framing between asbestos work area and remaining building area, as necessary to support polyethylene sheeting enclosures. Free standing enclosure shall have completely sealed polyethylene top.
6. Use sufficient layers to provide adequate protection. Protect floors with at least one layer of polyethylene sheeting. Where walls are protected with sheeting, cover floors first so that wall polyethylene overlaps floor layer by at least 300 mm (12").
7. Where applicable clean previously contaminated surfaces with HEPA vacuum before covering with sheeting.
8. If enclosure is used for more than 1 shift, construct airlock for entry to and exit from enclosure. Clean enclosure prior to exiting at completion of each shift.
9. Establish negative pressure in asbestos work area. Operate negative pressure units or HEPA vacuums continuously from this time until completion of contaminated work.
10. Provide soap, water and towels for washing of worker's face and hands when exiting enclosure.
11. Maintain emergency and fire exits from asbestos work area, or establish alternative exits satisfactory to authorities having jurisdiction.
12. Ensure existing power supply to asbestos work area is isolated and disconnected where necessary. Do not disrupt power supply to remainder of building.

3.2 ASBESTOS WORK AREA(S) [NO ENCLOSURE]

1. Establish asbestos work area with appropriate hoarding (partial enclosure, caution tape, fencing, etc.) to prevent unauthorized access to the asbestos work area.
2. Move equipment, tools, and stored materials which can be moved without disturbing asbestos-containing materials.
3. Remove elements which can be removed without disturbing asbestos material.
4. Request building personnel to shut off air handling and ventilation systems supplying or exhausting from asbestos work area(s). Ensure air-handling systems remain shut off for duration of work.
5. Use sufficient layers to provide adequate protection. Protect floors with at least one (1) layer of polyethylene sheeting.
6. Where applicable, clean previously contaminated surfaces with HEPA vacuum before covering with sheeting.
7. Provide soap, water and towels for washing of worker's face and hands when exiting enclosure.
8. Ensure existing power supply to asbestos work area is isolated and disconnected where necessary.

3.3 MAINTENANCE OF ASBESTOS WORK AREA(S)

1. Maintain asbestos work area in tidy condition.

2. Ensure barriers and polyethylene linings are effectively sealed and taped. Repair damaged barriers and remedy defects immediately upon discovery.
3. Visually inspect asbestos work area(s) at beginning of each working period.

3.4 COMMENCE ASBESTOS REMOVAL OR CLEANUP WORK WHEN

1. Arrangements have been made for disposal of waste.
2. Asbestos work area(s) and parts of building required to remain in use are effectively segregated.
3. Tools, equipment and materials waste receptors are inside asbestos work area(s).
4. Signs are displayed in all areas where access to sealed asbestos work areas possible. Signs shall read:

CAUTION
Asbestos Hazard Area
No Unauthorized Entry
Wear assigned protective equipment
Breathing asbestos dust may cause serious bodily harm.

5. Owner's Consultant has been notified of intention to proceed and has reviewed asbestos work area(s) and equipment.

3.5 REMOVAL OF FRIABLE MATERIALS ($\leq 1.0M^2$)

1. Before commencing work, prepare asbestos work area as described in 3.1 (full enclosure), 3.3, and 3.4.
2. Seal opening to enclosure with tape after entry of worker. Worker shall remain inside enclosure until disturbed asbestos-containing materials are removed and enclosure has been effectively cleaned.
3. Perform work required inside enclosure.
4. When cleaning or removing asbestos-containing material within enclosure, spray asbestos-containing material with amended water. Saturate asbestos to prevent release of airborne fibres during removal. Place fully saturated asbestos directly into waste containers.
5. Treat materials removed including used polyethylene sheeting as asbestos contaminated waste and dispose of as such.
6. Carefully place asbestos waste in inner bag of asbestos waste receptor. Clean inner bag surface of gross contamination and place in clean 6 mil outer bag. If waste is likely to tear inner bag, then instead of outer bag, use fibre or metal drum, cardboard or wood box, or other suitably sturdy container
7. Following completion of work, clean surfaces from which asbestos has been disturbed with HEPA vacuum, or wet-sponge if appropriate to remove all visible material.
8. After wet-sponging or vacuuming to remove visible asbestos, wet clean entire enclosure. Apply coat of sealer to all surfaces from which asbestos has been disturbed. Apply thinned coat (sufficient to coat all surfaces) to interior of polyethylene enclosure prior to tear down.

3.6 TEAR DOWN OF PROTECTION

1. When dismantling enclosure, carefully roll polyethylene toward centre of enclosure. As polyethylene is rolled away, immediately remove any visible debris with HEPA vacuum.
2. Place polyethylene sheeting seals, tape, cleaning material, coveralls, and other contaminated waste in asbestos waste receptors for transport. Remove any debris fallen behind plastic with HEPA vacuum.
3. Clean up asbestos waste receptors and equipment used in work, and remove from asbestos work area(s) via drum and equipment decontamination enclosure systems, at appropriate time in sequence. Double bag waste immediately prior to transport from site to disposal bin.
4. Final review may be carried out by Owner's Consultant to ensure no dust or debris remains.

3.7 RE-ESTABLISHMENT OF OBJECTS AND SYSTEMS

1. When clean-up is complete reinstall items removed to facilitate asbestos related operation, in their proper positions. Reconstruction and reinstallation shall be by tradesmen qualified in work being reinstalled or reconstructed.
2. At completion of work make good all damage not identified in pre-removal survey referred to in para. 1.81.4.

3.8 INSPECTION

1. From commencement of work until completion of clean-up operations, Clients Consultant may be present.
2. If visual inspection indicates that areas outside current asbestos work area enclosures are contaminated these areas are to be cleaned in same manner as that applicable to asbestos work areas, at no cost to Client.
3. Pay cost to provide re-inspection of work found not to be in accordance with these specifications and requirements of authorities having jurisdiction.

3.9 WASTE TRANSPORT AND DISPOSAL

1. Conform to requirements of Regulation 347 (as amended) made under Environmental Protection Act for Waste Management, transporting and disposal of hazardous waste.
2. Obtain Certificate of Approval from Ministry of the Environment, Conservation and Parks for waste management disposal system for asbestos.
3. Check with dump operator to determine type of waste containers acceptable.
4. Ensure shipment of containers to dump is taken by waste hauler licensed to transport asbestos waste.
5. Each load requires completion of bill of lading showing type and weight of hazardous waste being transported.
6. Co-operate with Ministry of the Environment, Conservation and Parks inspectors and immediately carry out instructions for remedial work at dump to maintain environment, at no additional cost to Owner.
7. Ensure dump operator is fully aware of hazardous material being dumped.

Roof Replacement and Window Rehabilitation
60 Brant Street, Toronto, Ontario
June 8, 2026

Section 02 82 13.2
Type 2 Asbestos Abatement
Page 9

END OF SECTION

Part 1 General

1.1 GENERAL REQUIREMENTS

1. Conform to Sections of Division 1 as applicable.

1.2 RELATED SECTIONS

1. Section 02 82 13.1 – Type 1 Asbestos Abatement
2. Section 02 82 13.2 – Type 2 Asbestos Abatement
3. Section 02 83 13 – Lead Disturbance Precautions
4. Section 02 84 16 – Handling of Mercury Containing Equipment
5. Section 02 87 13 – Silica Disturbance Precautions

1.3 SITE CONDITIONS

1. Types of asbestos present: Chrysotile present within, but not limited to black remnant caulking above roof flashing.
2. Materials identified to contain Asbestos can be found in the following Safetech Environmental Limited report, “Designated Substances and Hazardous Materials Assessment Report, Roof Replacement and Window Rehabilitation Project, Eva Phoenix Transitional Housing, 60 Brant Street, Toronto, Ontario” issued on June 8, 2026.

1.4 DESCRIPTION OF WORK

1. The following are classified as **Type 3 operations** under O. Reg. 278/05:
 1. The removal or disturbance of more than one square metre of friable asbestos-containing material during the repair, alteration, maintenance or demolition of all or part of a building, aircraft, ship, locomotive, railway car or vehicle or any machinery or equipment.
 2. The spray application of a sealant to friable asbestos-containing material.
 3. Cleaning or removing air handling equipment, including rigid ducting but not including filters, in a building that has sprayed fireproofing that is asbestos-containing material.
 4. Repairing, altering or demolishing all or part of a kiln, metallurgical furnace or similar structure that is made in part of refractory materials that are asbestos-containing materials.
 5. Breaking, cutting, drilling, abrading, grinding, sanding or vibrating non-friable asbestos-containing material, if the work is done by means of power tools that are not attached to dust-collecting devices equipped with HEPA filters.
 6. Repairing, altering or demolishing all or part of any building in which asbestos is or was used in the manufacture of products, unless the asbestos was cleaned up and removed before March 16, 1986.
2. If removing more than 1.0m² of asbestos-containing texture coat finish perform all work in accordance with Section 02 82 13.3 (Type 3 Asbestos Abatement).

3. Dispose of temporary enclosures, disposable equipment and any asbestos-containing or contaminated materials removed, as asbestos waste.
4. HEPA-filtered construction air handling units must be DOP-tested on-site.
5. Abatement contractor must provide a bill of lading for the disposal of asbestos waste.
6. Seal surfaces from which asbestos has been removed and surfaces potentially contaminated with asbestos, with sealer.
7. Maintain only emergency electrical and mechanical services passing through asbestos work area. All other services must be deactivated during abatement work.
8. All work will be subject to inspection and air monitoring inside and outside asbestos work area by the Owner's Consultant. Any contamination of surrounding areas, indicated by visual inspection or air monitoring, shall necessitate complete cleanup of affected areas at no additional cost to the Owner.
9. Protect surfaces remaining within asbestos work area.

1.5 REFERENCES

1. Canadian Standards Association (CSA): CSA Z180.1-19 Compressed breathing air and systems.
2. Canadian Standards Association (CSA): CSA-Z94.4-18 Selection, use, and care of respirators.

1.6 DEFINITIONS

1. **Authorized Visitor(s):** Owner's Consultant, person(s) representing regulatory agencies, or other authorized persons.
2. **Competent Person or Supervisor:** A person who is qualified because of knowledge, training and experience, to organize the work and its performance; is familiar with the Occupational Health and Safety Act and the regulations that apply to the work; and has knowledge of any potential or actual danger to health or safety in the workplace.
3. **Contractor:** Asbestos abatement contractor providing demolition, removal and cleaning services as defined in these specifications.
4. **Critical Barrier or Enclosure:** Minimum of two separate layers rip-proof polyethylene sheeting taped securely and separately over windows, doorways, diffusers, grilles and any other openings between Work Area and areas outside of the Work Area, including outside of the building.
5. **Curtained Doorway:** Device to allow ingress or egress from one room to another while permitting minimal air movement between rooms, typically constructed by placing two (2) overlapping sheets of polyethylene sheeting (two sheets of polyethylene sheeting per flap) attached to head and one jamb of existing or temporarily constructed door frame. Secure vertical edge of one flap along one vertical side of doorframe and vertical edge of other flap along opposite vertical side of doorframe. Reinforce free edges of polyethylene sheeting with duct tape.
6. **DOP Test:** A testing method employing dioctyl phthalate aerosol for purpose of leak testing negative air units.

7. **Friable Material:** Material that when dry can be crumbled, pulverized or powdered by hand pressure and includes such material that is crumbled pulverized or powdered.
8. **HEPA Filter:** High Efficiency Particulate Aerosol filter at least 99.97 percent efficient in collecting 0.3-micrometer aerosol.
9. **HVAC:** Heating, ventilating and air-conditioning system(s) which serve occupied areas. Includes, but is not limited to, air handling units, ductwork, terminal boxes and grilles.
10. **Polyethylene Sheeting:** Polyethylene sheeting of 0.15 mm (6 mil) minimum thickness with tape seals along edges, around penetrating objects, over cuts and tears, and elsewhere as required to provide continuous membrane protection
11. **Negative Pressure:** Reduced pressure within asbestos work area(s) established by extracting air directly from work area, and discharging it directly to exterior of building or to an adjacent area within the building outside of the Work Area. Discharged air first passes through HEPA filter. Extract sufficient air to ensure constant reduced pressure at perimeter of work area with respect to surrounding areas.
12. **Occupied Area:** Areas of the building or work site that are outside of the Work Area.
13. **Owner:** Toronto Community Housing and its representatives.
14. **Owner's Consultant:** Safetech Environmental Limited, the environmental consultant overseeing asbestos abatement.
15. **PPE:** Personal protective equipment.
16. **Work Area:** Specific area or location where actual asbestos abatement work is being performed or such other area of the building which it has been determine may be hazardous to public health as a result of asbestos abatement.

1.7 REGULATIONS

1. Comply with applicable Federal, Provincial, and Local laws and regulations in effect at time work is performed. In case of conflict among these requirements or with these specifications the more stringent requirement applies. Contractor shall observe all such laws and regulations and shall obtain and/or pay all permits, notices, fees, taxes, duties as may be required. If no regulations exist, follow guidelines most widely accepted by recognized professional organizations such as occupational hygienists, health professionals and environmental consultants as listed in paragraph 1.5 References.
2. Contractor shall ensure that the measures and procedures prescribed under the Occupational Health & Safety Act (the Act) are carried out and that every employee and worker on the project complies with applicable regulations (as amended) made under the Act, including (but not limited to):
 1. Ontario Regulation 213/91 – Construction Projects
 2. Ontario Regulation 278/05 – Designated Substance - Asbestos on Construction Projects and in Buildings and Repair Operations
 3. Ontario Regulation 297/13 – Occupational Health and Safety Awareness and Training
 4. Ontario Regulation 490/09 – Designated Substances
 5. Ontario Regulation 632/05 – Confined Spaces

6. R.R.O. 1990, Regulation 860 – Workplace Hazardous Materials Information System (WHMIS)
3. Asbestos-containing waste or contaminated waste to be handled and disposed of in accordance with R.R.O. 1990, Regulation 347/90, “General – Waste Management” made under The Environmental Protection Act.

1.8 QUALITY ASSURANCE

1. Ensure work proceeds to schedule, and meets all requirements of this Section. Perform work so that airborne asbestos, asbestos waste, or water runoff do not contaminate areas outside asbestos work enclosure.
2. Pay cost to the Owner of inspection and air monitoring performed as result of failure to perform work satisfactorily regarding quality, safety, or schedule.
3. Use only skilled and qualified workers for all trades required for this work.
4. Contractor shall ensure that:
 1. Measures and procedures prescribed under the Occupational Health & Safety Act and regulations are carried out.
 2. Every employee and every worker on project complies with applicable act and regulations.
 3. Health & safety of workers and public is protected.
 4. All material handling, and associated equipment conform to and are operated in accordance with "Workplace Hazardous Materials Information System" (WHMIS).
 5. Advise the Owner whenever work is expected to be hazardous to employees and/or public.
5. Contractor may be requested to provide information on their health & safety record.

1.9 SUBMITTALS

1. Submit proof that all workers conducting abatement activities have successfully completed the **Asbestos Abatement Worker** Training Program approved by the Ministry of Labour, Immigration, Training and Skills Development and supervisors conducting abatement activities have successfully completed the **Asbestos Abatement Supervisor** Training Program approved by the Ministry of Labour, Immigration, Training and Skills Development as outlined in Section 20 of Ontario Regulation 278/05.
2. Submit names of supervisory personnel who will be responsible for asbestos work area(s). One of supervisors must remain on Site at all times while asbestos removal or clean-up is occurring. Submit proof that supervisory personnel have attended training course on asbestos control (2-day minimum duration) and have performed supervisory function on at least two other asbestos control projects.
3. Submit proof satisfactory to Owner’s Consultant that workers have had instruction and training related to care and use of respirators in accordance with and have been fit-tested for the type(s) of respirator(s) to be used.
4. Submit Notice of Project [Form 0175] to the Ministry of Labour, Immigration, Training and Skills Development. Print and sign a copy of the Notice of Project and post or make it available at the project site.

1. Not later than ten days before commencing asbestos work on this project, notify in writing Ontario Ministry of Labour, Immigration, Training and Skills Development, Construction Health and Safety Branch located nearest to the area the abatement is being conducted. The information provided to the Ontario Ministry of Labour, Immigration, Training and Skills Development must comply with the requirements outlined in Section 11, subsection 3 of O. Reg. Orally notify them before commencing work.
5. Submit Material Safety Data Sheets (MSDSs) for all products to be used during asbestos abatement.
6. Obtain and submit all necessary permits for transporting and disposal of asbestos waste.
 1. Notify sanitary landfill site in accordance with requirements of Reg. 347.
7. Submit proposed schedule showing phasing and proposed workforce related to each work area enclosure or repair operation.
8. Submit list of existing damage for acceptance.
9. Submit proof that abatement contractor is a member of and in good standing with the Environmental Abatement Council of Ontario (EACO).
10. Submit proof of Contractors Liability Insurance for dealing with hazardous materials, specifically stating that asbestos is not excluded from the policy.
11. Submit confirmation of good standing with Workplace Safety and Insurance Board (WSIB).

1.10 WORKER AND VISITOR PROTECTION

1. **Instructions:** Before entering asbestos work area, instruct workers and visitors in use of respirators, dress, showers, entry and exit from asbestos work areas, and all aspects of work procedures and protective measures. Instruction shall be provided by Competent Person as defined by Occupational Health and Safety Act.
2. **Full-Face Air-Purifying Respirator:** During wet removal and cleanup in enclosed asbestos work area workers, supervisors, and authorized visitors shall be supplied with and use air-purifying full-face respirator (APR) with N-, R- or P-100 filters. Replace filters daily or test according to manufacturer's specifications and replace as indicated. Respirators shall be acceptable to Occupational Health Branch of Ministry of Labour, Immigration, Training and Skills Development. Provide proper instruction to workers and visitors in use of respirators, including qualitative fit testing. Maintain respiratory protection equipment in proper functioning and clean condition.
3. **Atmosphere Supplying Respirators:** Removal of more than 1.0 m² of sprayed applied asbestos-containing materials that contain a type of asbestos other than chrysotile or the dry removal of asbestos-containing materials indicated in paragraph 1.41 require the use of atmosphere supplying respirators as stipulated in O. Reg. 278/05.
 1. Prior to use, testing of the compressed air system used with supplied air respirators shall be completed to ensure it meets the standards set out in Table 1 of CSA Standard Z180.1-19, Compressed Breathing Air and Systems.

1. If an oil-lubricated compressor is used to supply breathing air, a continuous carbon monoxide monitor equipped with an alarm shall be provided.
2. If an ambient breathing air system is used, the air intake shall be located in accordance with Appendix B of CSA Standard Z180.1-19.
4. **Protective Clothing:** Provide workers and visitors in Work Area with full body coveralls with integral hoods. Once coveralls are worn in the Work Area, dispose of as contaminated waste. Workers and visitors shall wear other protective apparel required by Ministry of Labour, Immigration, Training and Skills Development regulations.
5. Before entering Work Area, remove street clothes in clean change room and put on respirator with new or tested filters, clean coveralls and head covers before entering equipment and access areas or Work Area. Store street clothes, uncontaminated footwear, towels etc. in clean change room.
6. Persons leaving Work Area shall remove gross contamination from clothing before entering dirty room of decontamination facility. Proceed to equipment and access area and remove all clothing except respirator. Place contaminated work suit in receptacles for disposal with other asbestos contaminated materials. Footwear, clothing, hardhats, protective eyewear, etc., shall be left in equipment and access area to dry for later use. Still wearing respirator proceed naked to showers. Clean respirator to ensure that visible contamination is removed. After having thoroughly washed hair and body with shampoo and soap, remove respirator. Remove filters and dispose of in container provided for this purpose or test filters according to manufacturer's recommendation. Dispose of filters as necessary. Wet clean inside of respirator. Upon completion of asbestos abatement, dispose of footwear as contaminated waste or clean before removing from equipment and access area, or carry in sealed plastic bag to next site.
7. Following showering, proceed to clean change room, dry off and dress in street clothes. Store respirators in fashion to allow them to be put on prior to entering asbestos work area at start of next shift without contaminating clean area. If re-entry to Work Area is to take place after having left for eating or drinking, follow procedures in para. 1.105.
8. Removal of waste and equipment from holding room of waste decontamination enclosure system shall be performed by workers entering from outside. These workers shall wear clean coveralls and half-face air-purifying respirator with P100 filters. No worker shall use this system as means to leave or enter Work Area.
9. Do not eat, drink smoke or chew gum or tobacco at work site. Tobacco products are not allowed on property.
10. Workers and visitors shall be fully protected as specified herein when possibility of disturbance of asbestos exists.

Part 2 Products

2.1 MATERIALS

1. **Polyethylene:** 0.15 mm (6 mil) minimum thickness unless otherwise specified.
2. **Rip-Proof Polyethylene:** 0.20 mm (8 mil) fabric made up from 0.13 mm (5 mil weave and 2 layers 0.04 mm (1.5 mil).

3. **Tape:** Tape suitable for sealing polyethylene to surface encountered, under both wet conditions using amended water, and dry conditions.
4. **Wetting Agent:** Non-foaming surface active agent; mixed with water in concentration to provide thorough wetting of asbestos fibre: Standard of Acceptance, Asbesto-Wet, distributed by Asbetec Distributors, or equivalent.
5. **Amended Water:** Water with wetting agent added.
6. **Asbestos Waste Receptors:** Two separate containers of which 1 shall consist of 0.15 mm (**true 6 mil**) minimum thickness sealable polyethylene bag. Other container may be 0.15 mm (**true 6 mil**) minimum thickness polyethylene bag. Outer container shall be adequate to prevent perforating rips, or tears during filling, transport or disposal. Containers must be acceptable to disposal site selected, and the Ministry of the Environment, Conservation and Parks, and shall be clearly marked to indicate that contents contain asbestos.
7. **Sealer:** Sealer for purpose of trapping residual fibre debris. Product must have flame spread and smoke development ratings both less than 25. Product shall leave no stain when dry: Standard of acceptance - TC-55 (clear), A/D Fire Protection Systems Inc., Scarborough, Ontario, or equivalent. For mechanical equipment, piping and boilers, etc. use high temperature sealer only: Standard of acceptance - Chil-Abate CP210, Childers Products Company, or equivalent.
8. **Ground Fault Panel:** Portable electrical panel equipped with ground fault circuit interrupters (5 mA protection) of sufficient capacity to power all electrical equipment and lights in asbestos work enclosure. Panel complete with ground fault interrupter lights, test switch to ensure unit is working, and reset switch
9. **HEPA Vacuum:** Vacuum with all necessary fittings, tools and attachments. Air must pass HEPA filter before discharge.
10. **Protective Coveralls:** Disposable full body coveralls complete with elasticized hoods made of spun polyolefin material Tyvek by Dupont or nonwoven material Kleenguard by Kimberley Clark (or equivalent).
11. **Flexible ducting:** Metal reinforced flexible ductwork, 12" diameter minimum.
12. **Negative Air Unit:** Portable air handling system, which extracts air directly from asbestos work area and discharges air outside building. Unit shall be fitted with prefilter and HEPA final filter. Air shall pass HEPA filter before discharge. Unit shall have pressure differential gauge to monitor filter loading. Unit shall have auto shut-off and warning system for HEPA filter failure. HEPA filter shall have separate hold down clamps to retain filter in place.
13. **Power Sprayer:** Standard of acceptance - Graco Maxi-wetter, or equivalent.
14. **Encapsulant:** Standard of acceptance - Ocean No. 666, Ocean Fire Retardants Inc., or equivalent, coloured bright red.

Part 3 Execution

3.1 PREPARATION

1. Occupants who will be impacted by the work will need to be temporarily relocated during the work.

2. Cover wall and floor surfaces with polyethylene sheeting sealed with tape. Provide two separately sealed layers of reinforced polyethylene sheeting. Separately seal floor drains or openings. Use sufficient layers (2) and necessary sheathing for walking surface to protect floors which may be damaged. Cover floors first so that polyethylene extends at least 300 mm (12") up walls then cover walls to overlap floor sheeting. Provide additional protection for floors likely to be damaged by amended water, by covering floor with rip-proof polyethylene sheeting sealed with tape.
3. Seal off openings such as doorways, windows, vents, service holes in walls and grilles to non-operating ducts with polyethylene sheeting with tape or with polyurethane foam as appropriate.
4. If applicable, cover with polyethylene sheeting, motors, heating units, fire apparatus, door closers, benches, shelving, storage racks, valves, taps, controllers, lights, and other fixtures and furnishings which are not being removed from asbestos work area and which could be damaged and/or which cannot be readily cleaned at completion of this work. Pre-clean surfaces potentially contaminated with asbestos, with HEPA vacuum or damp cloth prior to installing protection.
5. Install plywood enclosures, covered with rip-proof polyethylene sheeting to protect equipment or fixtures in asbestos work area(s) that may be damaged.
6. Establish negative pressure in asbestos work area as described in Para. 1.611. Negative pressure units shall have total rated capacity with filters in place sufficient to provide minimum one (1) air change every twenty (20) minutes in wet removal sites. Volume of air shall be sufficient to ensure airflow is maintained from clean areas into asbestos work area. Vent units to outside of building by removing, and later replacing, windows, and/or providing flexible ducting. Locate vents to discharge air away from building access points or sidewalks. Do not discharge air into building interior without obtaining approval from The Owner's Consultant. Leak test negative air units prior to commencement of abatement at operating position, using DOP method. Provide reports for unit efficiency test results within 48 hours of testing, including calibration certificates for testing equipment. Venting of exhaust air through occupied area shall be in rigid airtight ductwork. Operate negative pressure units continuously from this time until completion of final air monitoring. Replace pre-filters as necessary to maintain airflow. Maintain negative air pressure of 5 Pascal (0.02 inches water column) pressure reduction within asbestos enclosure with respect to surrounding areas.
7. Maintain emergency and fire exits from asbestos work area, or establish alternative exits satisfactory to authorities having jurisdiction.
8. Ensure existing power supply to asbestos work area is isolated and disconnected where necessary. Do not disrupt power supply to remaining areas of building. Provide ground fault electrical system where application of amended water is required for wetting asbestos containing materials. Supply all electrical apparatus from this ground fault system. Ensure safe installation of electrical lines and equipment.
9. Provide temporary lighting in asbestos work area to levels that will permit work to be done safely and well.
10. Provide fire extinguisher at each emergency exit, and in decontamination facilities. Protect extinguishers with polyethylene sheeting in manner that will not hamper emergency use.

3.2 WORKERS' DECONTAMINATION ENCLOSURE SYSTEM

1. Construct workers' decontamination enclosure at entrance to Work Area. Worker decontamination enclosure system shall comprise three interconnecting rooms as follows:
2. Provide a set of curtain doorways between each room, and at both dirty and clean entrances to enclosure systems.
3. **Equipment and Access Room:** Build room between shower room and Work Area. Install waste receptor, and storage facilities for worker's shoes and any protective clothing to be reworn in asbestos work areas. Equipment and access room shall be large enough to accommodate specified facilities, and other equipment needed, and at least one worker allowing sufficient space to undress comfortably. Minimum size 3 square metres (30 sq. ft.).
4. **Shower Room:** Build room between clean room and equipment and access room. Provide constant separate supplies of hot and cold water. Provide valves controllable at shower(s) to regulate water temperature. Provide rigid piping with watertight connections and connect to water sources and drains. Provide soap, clean towels and appropriate containers for disposal of used respirator filters. Direct wastewater to sanitary sewer drains via water filtering system consisting of a minimum 2-stage filtering system (25-micron and 5-micron filters).
5. **Clean Room:** Build room between shower room and clean areas outside of enclosures. At doorway to clean room, provide vented wood door, with locking passage set. Provide hangers for workers' street clothes and personal belongings. Provide storage for clean protective clothing and respiratory equipment. Install water heater, if required.

3.3 WASTE AND EQUIPMENT DECONTAMINATION ENCLOSURE SYSTEM

1. Construct system comprised of three linked rooms: Purpose of this system is to provide means to decontaminate drums, scaffolding, material containers, vacuum and spray equipment; and other tools and equipment for which worker decontamination system is not suitable. Provide curtain doorways between rooms, and at both dirty and clean entrances to Enclosure System.
2. **Staging Area:** Build staging area in asbestos work area for gross removal of dust and debris from waste containers and equipment, labeling and sealing of waste containers, and temporary storage pending removal to container cleaning room.
3. **Container Cleaning Room:** Build container cleaning room between staging area and holding room. Room shall be of sufficient size to allow proper washing of equipment and drums or double bagging of asbestos waste. Treat wash water as asbestos contaminated waste.
4. **Holding Room:** Build holding room between container cleaning room and uncontaminated area. Holding room shall be of sufficient size to accommodate largest item of equipment used and ten waste containers.

3.4 CONSTRUCTION OF DECONTAMINATION ENCLOSURES

1. **Floor:** Prior to erecting wall framing, lay 1 sheet of rip-proof polyethylene sheeting over floor area to be covered by enclosures. Turn 600 mm (24") of rip-proof polyethylene sheeting up outside of enclosure, overlapping with polyethylene sheeting covering perimeter walls. Provide second layer of rip-proof polyethylene sheeting to all floors, extending 600 mm up inside of enclosure walls.

2. **Walls:** Build load-bearing walls of 39 mm x 89 mm (2" x 4") wood framing, 400 mm (16") o.c. with continuous top and sill plates. Cover both sides walls with polyethylene sheeting. Walls exposed to asbestos work area shall be covered with min. 9 mm (3/8") plywood sheathing or hardboard. Caulk seal and tape plywood joints. Walls exposed to occupied area shall be covered with good one side 9 mm plywood.
3. **Roof:** Size of joists shall be determined by span, loads, use and Code. Use as a minimum 39 mm x 138 mm (2" x 6") joists. Cover joists with 19 mm (3/4") plywood sheathing. Seal and tape joints, and cover with two layers of rip-proof polyethylene sheeting. At underside of joists install one layer of polyethylene sheeting.
4. **Doorways:** Build curtain doorways designed so that when workers or drums and equipment move through doorway, one of two barriers comprising doorway always remains closed.

3.5 MAINTENANCE OF ENCLOSURES

1. Maintain enclosures in tidy condition.
2. Ensure barriers and polyethylene sheeting linings are effectively sealed and taped. Repair damaged barriers and remedy defects immediately upon discovery.
3. Visually inspect enclosures at beginning and end of each working period.

3.6 DO NOT COMMENCE ASBESTOS REMOVAL WORK UNTIL

1. Arrangements have been made for disposal of waste.
2. Asbestos work areas and decontamination enclosures are effectively segregated.
3. Negative pressure equipment is operating continuously.
4. Tools, equipment and waste materials receptors are on hand.
5. Signs are displayed in areas where access to sealed asbestos work area is possible. Signs shall read:

CAUTION
Asbestos Hazard Area
No Unauthorized Entry
Wear assigned protective equipment
Breathing asbestos dust may cause serious bodily harm.

6. Proof of notification to Ministry of Labour, Immigration, Training and Skills Development has been submitted.
7. The Owner's Consultant has been notified of intention to proceed and has reviewed enclosures, equipment and procedures.

3.7 CONTAMINATED PREPARATION

1. After work has been completed as described in 3.1 to 3.6, request inspection from Owner's Consultant before proceeding with Contaminated Preparation as described in 3.7.
2. Request building personnel to deactivate air handling and ventilation systems supplying or exhausting from asbestos work area(s).
3. Remove false ceiling (if required) and install upper seals (polyethylene seal from the top surface of the false ceiling to the structural deck) as necessary to allow polyethylene sheeting

to be fastened to structure. Each of two sheets forming wall of enclosure shall be fastened separately to deck using tape, spray adhesive, rapid setting foam or other suitable method. Provide suitable framing to support polyethylene sheeting. Seal holes in existing perimeter walls, columns, deck etc., to ensure an airtight asbestos work area.

4. Promptly seal holes or penetrations in structure above ceiling, ducts, etc. to provide airtight enclosure around asbestos work area(s).
5. Protect electrical, communication, life safety and control systems to remain in place in asbestos work area with polyethylene sheeting.
6. Seal joints and holes in uninsulated HVAC ductwork to remain operational through an asbestos work area, using tape and rip-proof polyethylene sheeting.

3.8 REMOVAL

1. Spray asbestos with amended water using airless spray equipment. Saturate asbestos to prevent release of airborne fibres during removal. Fully saturated asbestos may be scraped directly into waste containers or may be allowed to fall to floor.
2. Place asbestos waste into asbestos waste receptors. Double polyethylene bags are to be used, inner bag shall be cleaned of gross contamination and placed in a clean **6 mil** outer polyethylene bag in container cleaning room immediately prior to transfer from Site.
3. Treat all materials removed to expose asbestos, as asbestos-contaminated waste unless such materials are specified to be re-used.

3.9 CLEAN-UP

1. Clean surfaces from which asbestos has been removed with brushes and vacuum or wet-sponge to remove visible dust and debris.
2. Remove sealed and labeled asbestos waste receptors and dispose of in authorized disposal area in accordance with requirements of disposal authority.
3. After brushing and wet-sponging to remove visible asbestos, wet clean entire Work Area including equipment and access area, polyethylene sheeting and equipment used in process. Floor and wall surfaces, ducts, and similar items not covered with polyethylene sheeting must be wet cleaned.
4. Request visual inspection and acceptance. Following inspection and acceptance, apply heavy coat of slow drying sealer to all surfaces from which asbestos has been removed. Apply thinned coat (sufficient to coat all surfaces) to other surfaces in Work Area including all polyethylene sheeting and surfaces scheduled for demolition. Allow minimum of 12 hours flushing time with no disturbance of asbestos work area. Operate negative air units during this period.

3.10 DISMANTLING OF PROTECTION

1. If air sampling by The Owner's Consultant shows that levels in asbestos work area do not exceed 0.01 fibres/cc. as determined by NIOSH 7400 Method, A counting rules, proceed with final dismantling of Work Area.
2. Remove polyethylene sheeting exposed during contaminated work including upper surfaces plus any underlying sheeting contaminated by water leaks, rips, tears, or exposed by failure of upper layer. Wear half-face air-purifying respirator with P100 filters and disposable

coveralls during removal of sheeting. Carefully roll sheeting away from walls to center of Work Area. As sheeting is rolled away from walls and corners, HEPA vacuum visible debris.

3. While removing top layer of sheeting from surfaces protected by two layers of sheeting, cut lower sheeting so as to expose horizontal surfaces that may be contaminated with asbestos debris. HEPA vacuum any visible debris.
4. Place polyethylene sheeting, seals, tape, cleaning material, clothing, and other contaminated waste in asbestos waste receptors for transport. Remove with HEPA vacuum any debris which may have fallen behind sheeting.
5. Clean Work Area, equipment and access area, washing/showering room, and other enclosures that may have been contaminated during work.
6. Clean asbestos waste receptors and equipment used in work and remove from Work Area via drum and equipment decontamination enclosure system, at an appropriate time in sequence.
7. Remove hoardings, temporary lighting, equipment and facilities provided for work. A final review may be carried out by the Owner's Consultant to ensure that no dust or debris remains. Contractor responsible for inspecting and cleaning all adjacent spaces to the Work Area. Adjacent work areas to be left free of construction related dust and debris.

3.11 RE-ESTABLISHMENT OF OBJECTS AND SYSTEMS

1. When cleanup is complete re-establish mechanical and electrical systems to remain operative in proper working order. Arrange for, and pay costs of electrical or mechanical repairs needed due to work of this Section.
2. Make good all damage at completion of work not identified in pre-removal survey (para. 1.98).

3.12 AIR MONITORING

1. The Owner's Consultant will arrange for air samples to be taken from commencement of work until completion of cleaning operations, both inside and outside of Work Area in accordance with NIOSH methods.
2. If air monitoring (or visual inspection) shows that areas outside current asbestos work area(s) enclosure or decontamination facilities are contaminated above 0.05 fibre/cc., clean these areas in same manner as that applicable to asbestos work areas, at no cost to the Owner.
3. Air clearance sampling will be done in accordance with O. Reg. 278/05. The air clearance sampling will be conducted following aggressive air sampling methods as outlined in US Environmental Protection Agency "Guidance for Controlling Asbestos-Containing Materials in Buildings – Published June 1985 – Appendix M – Section M.1.5". A minimum of 2,400 L of air will be collected for each sample. An abatement area is deemed clear only if every air sample collected within the Work Area has a concentration of fibres that does not exceed 0.01 fibres/cc. The number of air clearance samples to be collected are based on Ontario Regulation. 278/05, Table 3.
4. If air monitoring in the Work Area shows airborne fibre levels exceed normal levels for wet removal, workers shall use positive pressure supplied air respirators with full-face piece.
5. If final air sampling by the Owner's Consultant shows that levels in completed Work Area do not exceed 0.01 fibres/cc. as determined by NIOSH 7400 Method - "A" counting rules, proceed with dismantling of Work Area.

6. Clearance level is < 0.01 f/cc.

3.13 INSPECTION

1. From commencement of work until completion of clean-up operations, the Owner's Consultant will be present on a full-time basis; both inside and outside Work Area. The following inspections will be conducted at a minimum:
 1. Pre-contamination inspection
 2. Inspection of upper seals and HVAC isolation measures
 3. Post-abatement inspection
 4. Clearance air sampling
2. If Work Area or adjacent areas are found unacceptable in accordance with standards specified or required by authorities having jurisdiction, correct such deficiencies at no cost to the Owner.
3. Pay cost to provide re-inspection of work found not to be in accordance with these specifications and requirements of authorities having jurisdiction.

3.14 WASTE TRANSPORT AND DISPOSAL

1. Conform to requirements of Regulation 347/90 (as amended) - General Waste Management under Environmental Protection Act for Waste Management, transporting and disposal of hazardous waste.
2. Check with dump operator to determine type of waste containers acceptable.
3. Ensure shipment of containers to dump is taken by waste hauler licensed to transport asbestos waste. Waste hauler in possession of valid Ministry of the Environment, Conservation and Parks Certificate of Approval to transport asbestos waste.
4. Each load requires completion of bill of lading showing type and weight of hazardous waste being transported. Provide copies of bill of lading indicating acceptance of waste at landfill.
5. Co-operate with Ministry of the Environment, Conservation and Parks inspectors and immediately carry out instructions for remedial work at dump to maintain environment, at no additional cost to the Owner.
6. Ensure dump operator is fully aware of hazardous material being dumped.
7. Ensure that containers used for dumping are locked and covered at all times.

END OF SECTION

Part 1 General

1.1 GENERAL REQUIREMENTS

1. Conform to Sections of Division 1 as applicable.

1.2 RELATED WORK

1. Section 02 82 13.1 – Type 1 Asbestos Abatement
2. Section 02 82 13.2 – Type 2 Asbestos Abatement
3. Section 02 82 13.3 – Type 3 Asbestos Abatement
4. Section 02 84 16 – Handling of Mercury Containing Equipment
5. Section 02 87 13 – Silica Disturbance Precautions

1.3 SITE CONDITIONS

1. Paints and surface coatings have been confirmed to be lead-containing. Paints and surface coatings not sampled are assumed to be lead-containing.
2. Materials identified to contain lead can be found within the Safetech Environmental Limited report titled “Designated Substances and Hazardous Materials Assessment Report, Roof Replacement and Window Rehabilitation Project, Eva Phoenix Transitional Housing, 60 Brant Street, Toronto, Ontario” issued on June 8, 2026.

1.4 DESCRIPTION OF WORK

1. Disturbance of lead-containing materials must be conducted in accordance with measures and procedures outlined in the Ministry of Labour, Immigration, Training and Skills Development “Lead on Construction Projects” guideline.
2. The following work is classified as a **Type 1 operation** under the Ministry of Labour, Immigration, Training and Skills Development “Lead on Construction Projects” guideline (September 2011).
 1. Application of lead-containing coatings with a brush or roller.
 2. Removal of lead-containing coatings with a chemical gel or paste and fibrous laminated cloth wrap.
 3. Removal of lead-containing coatings or materials using a power tool that has an effective dust collection system equipped with a HEPA filter (Effective implies that the dust collection system should be capable of controlling airborne lead concentration levels to below 0.05 mg/m³. Employers should follow manufacturer's recommendations and maintenance specifications for optimal function)
 4. Installation or removal of lead-containing sheet metal.
 5. Installation or removal of lead-containing packing, babbitt or similar material.
 6. Removal of lead-containing coatings or materials using non-powered hand tools, other than manual scraping or sanding.
 7. Soldering.

3. Work area surfaces may be HEPA vacuumed with vacuum cleaner contents collected and disposed of as hazardous waste.
4. Dispose of all waste as lead contaminated including insulation, polyethylene drop sheets, coveralls, respirator filters, and all porous materials that cannot be properly cleaned and decontaminated.
5. Lead-containing wastes should be recycled if practicable or handled and disposed of according to Reg. 347.

1.5 REFERENCES/REGULATIONS

1. Comply with Federal, Provincial and local authority requirements. The more stringent requirements shall apply in the event of a conflict with any particular authority or jurisdiction. Regulations and Guidelines include:
2. Regulations made under the Occupational Health and Safety Act, Revised Statutes of Ontario, 1990, Chapter O.1 as amended.
3. The Occupational Health and Safety Act, Regulation for Construction Projects, O. Reg. 213/91 (as amended).
4. The Occupational Health and Safety Act, Regulation Respecting Lead, O. Reg. 490/09.
5. Ministry of Labour, Immigration, Training and Skills Development Guideline regarding Lead on Construction Projects, April 2011.
6. Ministry of the Environment, Conservation and Parks, Regulation 347/90 (as amended) for disposal of hazardous waste.

1.6 DEFINITIONS

1. **Authorized Visitor(s):** Owner's Consultant or persons representing regulatory agencies, and person(s) authorized by either of them
2. **Work Area(s):** Area(s) where work takes place which will, or may disturb lead paint and lead dust.
3. **HEPA Filter:** High Efficiency Particulate Aerosol filter at least 99.97 percent efficient in collecting 0.3-micrometer aerosol.
4. **HEPA Vacuum:** High Efficiency Particulate Aerosol filtered vacuum equipment acceptable to local provincial Ministry of Labour, Immigration, Training and Skills Development, and Health Canada. Ensure vacuums are equipped with hoses, fittings, and nozzle attachments. Maintain vacuum equipment and system properly.
5. **Polyethylene Sheeting:** Polyethylene sheeting of 0.15 mm (6 mil) minimum thickness with tape seals along edges, around penetrating objects, over cuts and tears, and elsewhere as required to provide continuous polyethylene membrane protection.

1.7 SUBMITTALS

1. Submit list of existing damage for acceptance.
2. Laws of province of Ontario shall govern this work. Contractor shall observe all such laws and shall obtain and/or pay all permits, notices, fees, taxes, and duties as may be required. Likewise, it is the responsibility of contractor to comply with Workplace Safety and Insurance Board (WSIB).

3. Before commencing any work, Contractor shall submit, in writing, confirmation of good standing with Workplace Safety and Insurance Board (WSIB).
4. Submit proposed schedule showing phasing and scheduling.
5. Submit proof satisfactory to Owner's Consultant that suitable arrangements have been made to dispose of lead containing waste in accordance with requirements of authority having jurisdiction.
6. Instruction and Training
 1. Before commencing work provide satisfactory proof that every worker has had instruction and training in hazards of lead exposure, in personal hygiene and work practices, and in use, cleaning, and disposal of respirators and protective clothing.
 2. Instruction and training on respirators includes:
 1. Limitations of equipment,
 2. Inspection and maintenance of equipment,
 3. Fitting of equipment, and disinfecting of equipment.
 3. Submit names of supervisory personnel who will be responsible for Lead abatement work area(s). One of these supervisors must remain on site at all times while lead paint disturbance, removal or cleanup is occurring.
 4. If respirators are worn, certificates indicating each worker has had proper respirator fit test for the respirator appropriate for work being performed.
7. The Abatement Contractor to post on the job bulletin board instructions, procedures and information pertaining to abatement work.

1.8 WORKER AND VISITOR PROTECTION

1. **Instructions:** Before entering lead removal work area(s), instruct workers and Authorized Visitor(s) in use of respirators (respirators are not mandatory for Type 1 operations, but may be worn by workers/visitors if requested), and all aspects of Work procedures and protective measures. Provide instruction by competent person as defined by The Occupational Health and Safety Act.
2. Provide disposable full body coveralls and approved respiratory protection to authorized visitors.
3. **Respirators:**
 1. Respirator should not be necessary for Type 1 operations provided that the contractor follows all Type 1 measures and procedures outlined in the MOL guideline.
 2. If the worker requests a respirator, provide worker with personally issued and marked half-face air-purifying respirators with N-, R-, or P-series filters with 95, 99 or 100% efficiency filters.

1. Provide sufficient filters and cartridges so workers can install new filters and cartridges following disposal of used filters and cartridges before re-entering contaminated areas.
2. Respirators shall be acceptable to Occupational Health Branch of Ministry of Labour.
3. Provide instruction in use of respirators, including qualitative fit testing. No worker or Authorized Visitor(s) may have facial hair which prevents proper contact between respirator face-piece and skin.
4. Maintain respirators in proper functioning and clean condition, or remove from Site.
4. **Protective Clothing:** Workers and Authorized Visitor(s) shall wear disposable full body personal protective apparel including attached head covering. In addition, workers are expected to wear nitrile gloves and protective eye goggles as is required by Ministry of Labour construction regulations. Once worn, protective coveralls shall be discarded and disposed of as lead contaminated waste
5. Do not eat, drink, smoke or chew gum or tobacco in work area.
6. Workers and Authorized Visitors shall wash hands and face when leaving lead removal work area. Contractor to provide workers with a designated washroom facility.

Part 2 **Products**

2.1 **MATERIALS**

1. **Polyethylene:** 0.15 mm (6 mil) minimum thickness unless otherwise specified; in sheet size to minimize joints.
2. **Rip-Proof Polyethylene:** 0.20 mm (8 mil) fabric made up from 0.13 mm (5 mil weave and 2 layers 0.04 mm (1.5 mil) poly laminate, in sheet size to minimize joints.
3. **Tape:** Tape suitable for sealing polyethylene to surface encountered, under both wet conditions using amended water, and dry conditions.
4. **Waste Receptors:** Two separate containers of which 1 shall consist of 0.15 mm (6 mil) minimum thickness sealable polyethylene bag. Other container may be 0.15 mm (6 mil) minimum thickness polyethylene bag. Other container shall be adequate to prevent perforating rips, or tears during filling, transport or disposal. Containers must be acceptable to disposal site selected, and Ministry of the Environment, Conservation and Parks.
5. **Sprayer:** Garden type, portable manual sprayer, low velocity, capable of producing fine spray.
6. **Ground Fault Panel:** Portable electrical panel equipped with ground fault circuit interrupters (5 mA protection) of sufficient capacity to power all electrical equipment and lights in Lead work enclosure. Panel complete with ground fault interrupter lights, test switch to ensure unit is working, and reset switch. Installed by licensed electrician.
7. **HEPA Vacuum:** Vacuum with all necessary fittings, tools and attachments. Air must pass HEPA filter before discharge.

8. **Protective Coveralls:** Disposable full body coveralls complete with elasticized hoods made of spun polyolefin material Tyvek by Dupont or nonwoven material Kleenguard by Kimberley Clark.
9. **Power Sprayer:** Graco Maxi-wetter or equivalent, from Hazmasters Environmental, Pickering, Ontario.

Part 3 Execution

3.1 PREPARATION

1. Establish hoarding around work area (caution tape, ropes, etc.) to prevent unauthorized personnel from entering the Work Area.
2. Provide washing facility (wash basin, water, soap, and towels) at entrance to Work Area.
3. Place polyethylene drop sheets beneath the area of work.
4. Provide fire extinguisher at each emergency exit, and in decontamination facilities. Protect extinguishers with polyethylene sheeting in manner that will not hamper emergency use.

3.2 REMOVAL

1. Remove/disturb lead containing material as required. Ensure that classification of work is in accordance with work operation listed in 1.41.
2. Use laminate cloth and paint removers (e.g. Dumond Peel Away 1 Paint Remover, or equivalent) in accordance with the manufacturer's specifications.
3. Hand tools may also be used to perform required cutting of lead sheeting and/or pipe.
4. Removal or disturbance (e.g. drilling) of lead-containing paints, surface coatings or mortar with power tools is not permitted. Only power tools (drill, grinder) attached to an effective dust collection device equipped with a HEPA filter are permitted.
5. Any removed lead-containing materials must be placed in appropriate waste receptors.
6. Dust and debris generated by work activities must be cleaned up with a HEPA vacuum or by wet methods (wet shovelling, damp wiping, damp mopping).
7. If HEPA vacuuming, place full vacuum bags into waste receptors. Double polyethylene bags are to be used, inner bag shall be cleaned of gross contamination and placed in a clean 6 mil outer polyethylene bag in container cleaning room immediately prior to transfer from Site.
8. Workers to properly decontaminate him/herself before each break and before going home at completion of work shift. Wash area to have plenty of soap and hot water, and towels. Instruction to be provided for proper hygiene practices.
9. Perform work in manner to reduce dust creation to lowest levels practicable. Work is subject to visual inspection and air monitoring. Any contamination of surrounding areas indicated by visual inspection or air monitoring shall require complete enclosure and clean-up of affected areas.
10. If significant concentrations of dust are being generated the work should be re-evaluated by a qualified person and additional procedures should be implemented such as: a full enclosure should be erected using polyethylene sheeting (or in the event that the sheeting needs support, wood framing may also be used) in order to separate lead work area(s) from remaining

building areas. The Ontario Ministry of Labour, Immigration, Training and Skills Development Guideline – Lead on Construction Projects dated September 2011. The Environmental Abatement Council of Ontario (EACO) “*Lead Guideline*” (October 2014) and/or the Ministry of Labour, Immigration, Training and Skills Development “*Lead on Construction Projects*” guideline should be consulted for all additional recommended requirements.

3.3 CLEAN-UP

1. Clean surfaces from which lead has been removed with brushes and HEPA vacuum or wet-sponge to remove visible dust and debris. HEPA vacuum all surfaces to ensure free of dust and debris.
2. Remove sealed and labeled lead waste receptors and dispose of at authorized disposal area in accordance with requirements of disposal authority.
3. After brushing and wet sponging to remove visible lead dust, damp clean entire work area including equipment and access area, polyethylene sheeting and equipment used in process.
4. Request visual inspection and acceptance. There should be no dust on ducts, scaffold or platform, sills, building surfaces or enclosure, where applicable. Following inspection and acceptance, allow minimum of 2 hours flushing time with no disturbance of work area.

3.4 TEAR DOWN OF PROTECTION

1. Remove polyethylene sheeting exposed during contaminated work plus any underlying sheeting contaminated by water leaks, rips, tears, or exposed by failure of upper layer. Wear appropriate personal protective equipment during this work.
2. Carefully roll sheeting away from walls to center of lead work area. As sheeting is rolled away from walls and corners, HEPA vacuum visible debris.
3. Place polyethylene sheeting, seals, tape, cleaning material, clothing, and other contaminated waste in Lead waste receptors for transport.
4. Clean up lead work area(s) to ensure all visible dust and debris associated with the work has been cleaned up or other surfaces that may have been contaminated during work.
5. Clean up lead waste receptors and equipment used in work and remove from work area(s) via drum and equipment decontamination enclosure system, at an appropriate time in sequence.
6. A final review may be carried out by Owner's Consultant to ensure that no dust or debris remains.

3.5 FIELD QUALITY CONTROL

1. Inspection
 1. From commencement of work until completion of clean-up operations, Owner's Consultant may be present periodically; both inside and outside lead removal work area(s) to ensure compliance with Section 02 83 13.1 (Type 1 Lead Abatement).
 2. If lead work area(s) or adjacent areas, are found unacceptable in accordance with standards specified or required by authorities having jurisdiction, correct such deficiencies at no cost to Owner.

3. Pay cost to provide re-inspection of work found not in accordance with these specifications and requirements of authorities having jurisdiction.
 4. Cooperate with and assist inspection and testing company's personnel during inspection and testing.
2. Air Monitoring
 1. Owner's Consultant may arrange for air samples to be taken from commencement of work until completion of cleaning operations in accordance with NIOSH methods. Air samples may be collected both inside the building during abatement activity and/or inside the Work Area.
 2. Cooperate with Owner's Consultant in collection of air samples, including requiring workers to wear sampling pumps for up to half shift periods. Workers shall exercise care not to damage sampling equipment.
 3. During the course of work, additional air samples for lead may be taken periodically inside the building or adjacent to ongoing work. If airborne concentrations exceed 50% of the Time-Weighted Average Limit (TWA) of 0.05 mg/m³, then the contractor performing the lead abatement shall cease all work in the area until the source of infiltration is mitigated.

3.6 DISPOSAL

1. Conform to requirements of Regulation 347 (as amended) under Environmental Protection Act for Waste Management, transporting and disposal of hazardous waste.
2. Dispose of lead waste in accordance with requirements of Provincial and federal authority having jurisdiction.
3. Cooperate with Ministry of the Environment, Conservation and Parks inspectors and immediately carry out instructions for remedial work at dump to maintain environment, at no additional cost to Owner.
4. Provided Owner's Consultant with original copy of waste shipping manifest for disposed lead containing waste issued by dump operator. Contractor is responsible for completing all required manifest documentation for each load leaving the site.

END OF SECTION

Part 1 General

1.1 GENERAL REQUIREMENTS

1. Comply with requirements of Division 1.

1.2 RELATED SECTIONS

1. Section 02 82 13.1 – Type 1 Asbestos Abatement
2. Section 02 82 13.2 – Type 2 Asbestos Abatement
3. Section 02 82 13.3 – Type 3 Asbestos Abatement
4. Section 02 83 13 – Lead Disturbance Precautions
5. Section 02 87 13 – Silica Disturbance Precautions

1.3 SITE CONDITIONS

1. Mercury is present in the form of the following:
 1. Vapour in fluorescent lamps
2. Materials identified to contain mercury can be found within the Safetech Environmental Limited report titled “Designated Substances and Hazardous Materials Assessment Report, Roof Replacement and Window Rehabilitation Project, Eva Phoenix Transitional Housing, 60 Brant Street, Toronto, Ontario” issued on June 8, 2026.
3. Please note that Section 02 84 16 has been provided in case fluorescent lamps need to be removed to facilitate work for this project.

1.4 DESCRIPTION OF WORK

1. Remove, package and recycle/dispose of, if applicable, all mercury vapour containing fluorescent light tubes.
2. All work may be subject to inspection by Client’s Consultant.

1.5 REGULATIONS

1. Comply with Federal, Provincial and local requirements, provided that in any case of conflict among those requirements or with these Specifications more stringent requirements shall apply. Work shall be performed under regulations in effect at time work is performed. Regulations include but are not limited to the following:
 1. Environmental Protection Act, Revised Statutes of Ontario 1990, Chapter E. 19.
 2. Canadian Environmental Protection Act, Revised Statutes of Canada 1985, c.16.
 3. Ministry of the Environment, Conservation and Parks Regulations for the disposal of mercury waste, including R.R.O. 1990, Regulation 347/90 (as amended).
 4. Ontario Regulation 490/09, Designated Substances (as amended).

1.6 INSTRUCTION AND TRAINING

1. Ensure that all workers likely to handle mercury-containing items are trained in use of Mercury Spill Kit and are trained in handling of mercury.

Part 2 Products

2.1 MATERIALS

1. **Cardboard Containers:** New or used cardboard boxes. Suitable for packaging of fluorescent light tubes to prevent breakage of tubes.

2.2 EQUIPMENT

1. Mercury Spill Response Kit consisting of following:
 1. HEPA vacuum dedicated for use with mercury spills
 2. Air-purifying cartridge respirators with mercury absorbing cartridges and an end-of-life service indicator
 3. Surgical gloves to prevent skin exposure when handling droplets of mercury
 4. Neutralizing compound such as 20% calcium polysulfide or 20% sodium thiosulfide to clean spilled surfaces

Part 3 Execution

3.1 PACKAGING OF FLUORESCENT LIGHT TUBES

1. Carefully remove fluorescent light tubes from fixtures wipe with a damp cloth or clean with a HEPA filtered vacuum and place in cardboard containers.
2. Place tubes in container as they are removed from fixtures. Ensure that tubes are packaged in a manner to prevent breakage.
3. Avoid rough handling of tubes to avoid breakage.
4. Store full containers in a central location on site.

3.2 DISPOSAL

1. Do not dispose of fluorescent light tubes containing mercury with other construction waste or in a landfill.
2. Dispose of mercury containing equipment at a recycling facility approved by Consultant. Recycling company must have the following minimum requirements:
3. Offer complete recycling of all parts (i.e., lamps, caps, clips etc.)
4. Must be able to supply contractor with packaging material, if necessary

END OF SECTION

Part 1 General

1.1 GENERAL REQUIREMENTS

1. Comply with requirements of Division 1.

1.2 RELATED SECTIONS

1. Section 02 82 13.1 – Type 1 Asbestos Abatement
2. Section 02 82 13.2 – Type 2 Asbestos Abatement
3. Section 02 82 13.3 – Type 3 Asbestos Abatement
4. Section 02 83 13 – Lead Disturbance Precautions
5. Section 02 84 13 – Handling of Mercury Containing Equipment

1.3 SITE CONDITIONS

1. Silica is present in, but not limited to, the following building materials:
 1. Brick
 2. Concrete
 3. Concrete block
 4. Mortar
 5. Drywall
 6. Plaster
2. Materials identified to contain silica can be found within the Safetech Environmental Limited report titled “Designated Substances and Hazardous Materials Assessment Report, Roof Replacement and Window Rehabilitation Project, Eva Phoenix Transitional Housing, 60 Brant Street, Toronto, Ontario” issued on June 8, 2026.

1.4 DESCRIPTION OF WORK

1. Removing/demolishing of building materials suspected to contain silica must follow Type 1, Type 2, and/or Type 3 operations and procedures as outlined in the Ontario
2. All work may be subject to inspection and/or air sampling (clearance and/or exposure monitoring) inside and outside work areas by Client’s Consultant. Any contamination of surrounding areas, indicated by visual inspection or air monitoring, shall necessitate complete clean-up of affected areas.

1.5 DEFINITIONS

1. **Silica:** means crystalline silica in a respirable form. Silica is the primary component of many construction materials. The best-known and most abundant type of crystalline silica is quartz. Other forms of crystalline silica include cristobalite, tridymite and tripoli. Some commonly used construction materials containing silica include: abrasives used for blasting, brick, refractory brick, plaster, concrete, concrete block, cement, mortar, granite, sandstone, quartzite, slate, gunite, mineral deposits, rock and stone, sand, fill dirt, top soil and asphalt containing rock or stone.

2. **Silica Work Area:** Area where work takes place, which will, or may, disturb silica-containing material.
3. **Authorized Visitors:** Client's Consultant and/or person(s) representing regulatory agencies, and person(s) authorized by them.
4. **HEPA Filter:** High Efficiency Particulate Aerosol filter, at least 99.97% efficient in collecting a 0.3 micron aerosol. Each filter should be individually tested and certified to have an efficiency of not less than 99.97 percent when challenged with 0.3 micron dioctylphthalate (DOP) particles. DOP test must be conducted immediately prior to commencement of work and certificate presented to owner and/or consultant.
5. **Effective:** implies that the dust collection system should be capable of controlling airborne silica concentration levels to below 0.05 milligrams per cubic metre (mg/m³).
6. **Competent Person:** A worker who is qualified because of knowledge, training, and experience to perform work, is familiar with relevant acts and regulations that apply to the work, and has knowledge of all potential or actual dangers to health or safety in work.

1.6 REGULATIONS, GUIDELINES, & INDUSTRY STANDARDS

1. Contractor shall:
 1. Comply with Federal, Provincial, and local requirements pertaining to silica, provided that in any case of conflict among these requirements or with these specifications, most stringent requirements shall apply.
 2. Carry out measures and procedures prescribed under the Ontario Regulation 490/09, Designated Substance – Silica.
 3. Protect health and safety of workers by ensuring compliance with the specific occupational exposure limits (OELs) for silica. The OEL for cristobalite silica is 0.05 mg/m³ of air as an 8-hour daily or 40 hour weekly time-weighted average. The OEL for quartz and tripoli silica is 0.10 mg/m³. Measures and procedures that ensure construction workers receive the same standard of protection as workers covered by O. Reg. 490 should be implemented on construction projects where exposure to silica is a hazard. Such measures and procedures are deemed to be in compliance with section 25(2) (h) of the OHSA, as taking "every precaution reasonable in the circumstances for the protection of a worker.
 4. Carry out measures and procedures prescribed under the Ontario Regulation 213/91 (as amended) – Regulation for Construction Projects; Ontario Regulation 860/90 – Workplace Hazardous Materials Information System (WHMIS); and Ontario Ministry of Labour, Immigration, Training and Skills Development Guideline – Silica on Construction Projects dated April 2011.
 5. Comply with Ontario Environmental Protection Act Regulation 347/90 (as amended) - General-Waste Management.
 6. Ensure every employee and every worker on project complies with applicable acts and regulations.
 7. Provide instruction and training by a competent person to every worker in the following subjects: WHMIS training, hazards of silica exposure, recognition of typical operations containing silica, personal hygiene, the use, cleaning and disposal of respirators and personal protective equipment.
 8. Protect health and safety of workers and public.

2. Contractor may:
 1. Be requested to provide information on their health and safety record.
 2. Be required to provide a copy of their respiratory protection program.
 3. Be requested to provide periodic medical examinations for all workers who may be exposed to respirable crystalline silica.

1.7 INTERNAL POLICIES & PROCEDURES

1. Ensure that internal policies and procedures of the clients are complied with including, but not limited to the following:
 1. All contractors/consultants will not enter designated areas unless trained and appropriately garmented, including appropriate medical clearance which may include medical monitoring and immunization.
 2. Have a competent supervisor onsite at all times to supervise work of their employees/subcontractors for large projects.
 3. Provide sufficient number of workers trained in first aid on large projects.
 4. Do not modify, shut down, open, tap into or alter facilities systems without permission.

1.8 QUALITY ASSURANCE

1. Ensure work proceeds on schedule and meets all requirements of this Section.
2. Pay cost to Client for inspection performed as a result of failure to perform work satisfactorily regarding quality, safety, or schedule.
3. Use only skilled and qualified workers for all the trades required for this work.

1.9 SUBMITTALS

1. Before commencing work:
 1. Laws of the province of Ontario shall govern this work. Contractor shall observe all such laws and shall obtain and/or pay all permits, notices, fees, taxes, duties as may be required.
 2. Submit names of supervisor personnel who will be responsible for silica work area(s).
 3. Contractor shall submit, in writing, confirmation of good standing with Workplace Safety and Insurance Board and transcription of insurance.
 4. Submit documentation including test results for fire and flammable data and Material Safety Data Sheets for materials and chemicals to be used.

1.10 WORKER AND VISITOR PROTECTION

1. **Instruction and Training:** Before commencing work, provide to owner and/or consultant satisfactory proof that every worker has had instruction and training in WHMIS; hazards of silica exposure, including health effects and symptom recognition; personal hygiene; respirator requirements; work measures and procedures; and use, cleaning and disposal of respirators and protective equipment by a competent person as defined by Occupational Health and Safety Act.

2. **Respirators:** NIOSH-approved respirators may be worn during silica removal activities as per Ontario Regulation 490/09. Silica dust on personal respirators should be removed by damp wiping or HEPA vacuuming. Respirators should be selected in accordance with the NIOSH assigned protection factors. A summary of respirator requirements based on anticipated concentration of airborne silica can be found in Table 1. Maintenance and care for respirators should be conducted as per Canadian Standards Association Z94.4-02 Selection, Use, and Care of Respirators Guideline. If Contractor can demonstrate that the silica exposure levels are below the OEL, respirators may not be required.

Table 1: Respirator Requirements

Silica Removal Operations	Required Respirator
<p>Type 1 Silica Removal Operations (> 0.05 to 0.50 mg/m³ of silica in the form of cristobalite and tridymite) (> 0.10 to 1.0 mg/m³ of silica in the form of quartz and tripoli)</p> <ul style="list-style-type: none"> The drilling of holes in concrete or rock that is not part of a tunneling operation or road construction. Milling of asphalt from concrete highway pavement. Charging mixers and hoppers with silica sand (sand consisting of at least 95% silica) or silica flour (finely ground sand consisting of at least 95% silica) Any other operation at a project that requires the handling of silica-containing material in a way that may result in a worker being exposed to airborne silica. Entry into a dry mortar removal or abrasive blasting area while airborne dust is visible for less than 15 minutes for inspection and/or sampling. Working within 25 metres of an area where compressed air is being used to remove silica-containing dust outdoors. 	<p>NIOSH APF = 10</p> <ul style="list-style-type: none"> Half-mask particulate respirator with N-, R-, or P-series filter and 95, 99, or 100 percent efficiency.
<p>Type 2 Silica Removal Operations (> 0.50 to 2.5 mg/m³ of silica in the form of cristobalite and tridymite) (> 1.0 to 5.0 mg/m³ of silica in the form of quartz and tripoli)</p> <ul style="list-style-type: none"> Removal of silica containing refractory materials with a jackhammer. The drilling of holes in concrete or rock that is part of a tunneling operation or road construction. The use of a power tool to cut, grind, or polish concrete, masonry, terrazzo or refractory materials. The use of a power tool to remove silica-containing materials. The use of a power tool indoors to chip or break and remove concrete, masonry, stone, terrazzo or refractory materials. Tunneling (operation of the tunnel boring machine, tunnel drilling, or tunnel mesh installation). Tuckpointing and surface grinding. Dry method dust clean-up from abrasive blasting operations. Dry mortar removal with an electric or pneumatic cutting device. The use of compressed air outdoors for removing silica dust. Entry into area where abrasive blasting is being carried out for more than 15 minutes. 	<p>NIOSH APF = 50</p> <ul style="list-style-type: none"> Full-facepiece air-purifying respirator with any 100-series particulate filter. Tight-fitting powered air-purifying respirator with any 100-series particulate filter. Full-facepiece supplied-air respirator operated in demand mode. Half-mask or full-facepiece supplied air respirator operated in continuous-flow mode.
<p>Type 3 Silica Removal Operations (> 2.5 mg/m³ of silica in the form of cristobalite and tridymite) (> 5.0 mg/m³ of silica in the form of quartz and tripoli)</p> <ul style="list-style-type: none"> Abrasive blasting with an abrasive that contains ≥ 1% silica. Abrasive blasting of a material that contains ≥ 1% silica. 	<p>NIOSH APF ≥ 1000</p> <ul style="list-style-type: none"> Type CE abrasive-blast supplied air respirator operated in a positive pressure mode with a tight-fitting half-mask facepiece. Type CE abrasive-blast supplied air respirator operated in a pressure demand or positive pressure mode with a tight-fitting facepiece.

3. **Protective Clothing:** Provide workers and visitors in silica work area(s) with disposable and/or washable work clothes, including shoe covers. Work clothes that are contaminated with silica dust should not be worn outside the work area(s). Silica dust on washable work clothes should be removed by damp wiping or HEPA vacuuming and washed in facilities suitable for handling silica contaminated laundry before reusing. Provide or have access to appropriate washing facility equipped with clean water, soap, and individual towels for washing hands and face of workers. The washing facility shall be used by every worker when leaving silica work area(s) and if feasible, the washing facility should include a shower.
4. Workers who may be exposed to silica on a regular basis should undergo a pre-placement medical assessment and periodic medical examinations.
5. A worker shall not eat, drink, chew gum, or use tobacco products in work area(s).

Part 2 Products

2.1 MATERIALS

1. **HEPA Vacuum:** High Efficiency Particulate Air filtered vacuum equipment with a filter system capable of collecting and retaining fibres greater than 0.3 microns in any direction at 99.97% efficiency.
2. **Polyethylene sheeting sealed with tape:** Polyethylene sheeting of type and thickness specified sealed with tape along all edges, around penetrating objects, over cuts and tears, and elsewhere as required to provide a continuous polyethylene membrane to protect underlying surfaces from water damage or damage by sealants, and to prevent escape of silica dust through sheeting into a clean area.
3. **Tape:** Tape suitable for sealing polyethylene to surfaces under both dry and wet conditions using amended water.

Part 3 Execution

3.1 PREPARATION

1. Equipment, tools, furnishings, and stored materials which can be moved, without disturbing silica-containing materials have been moved by Contractor.
2. Seal all opening or voids in work area(s), such as vents, service holes in walls and air handling ducts as appropriate with plugs and/or tape and/or caulking and/or polyethylene sheeting sealed with tape.
3. Building personnel have shut off air handling and ventilation systems (if applicable) supplying or exhausting from silica work area(s)/enclosure(s). Ensure air handling systems remain shut off during duration of work.
4. Before disturbing silica-containing material, install polyethylene drop sheets as appropriate to control spread of dust.
5. Establish ropes, barriers and/or partial enclosures in order to prevent unauthorized personnel from entering work area(s).
6. If significant concentrations of dust are being generated the work should be re-evaluated by a qualified person and additional procedures should be implemented such as: a full enclosure

should be erected using polyethylene sheeting (or in the event that the sheeting needs support, wood framing may also be used) in order to separate silica work area(s) from remaining building areas. The Ontario Ministry of Labour, Immigration, Training and Skills Development Guideline – Silica on Construction Projects dated September 2011 should be consulted for all additional recommended requirements.

7. Emergency and fire exits are established from silica work area(s), or alternative exits have been established satisfactory to authorities having jurisdiction.
8. Temporary lighting in silica work area(s) has been provided (if necessary) to level that will permit work to be done safely and well where necessary.
9. Signs are displayed in all areas where access to silica work area(s) is possible. Signs should be at least 500 mm x 350 mm and state the date and place of the silica removal project. Such signs shall read in large, clearly visible letters:

CAUTION

Silica Dust Hazard

No Unauthorized Entry

Wear Assigned Personal Protective Equipment

10. Arrangements have been made with Client for work area security.
11. Client's Consultant has been notified of intention to proceed and has reviewed equipment and procedures.

3.2 REMOVAL

1. Seal opening to polyethylene enclosure with tape or ensure appropriate barriers are in place after entry of worker(s).
2. Perform work required within silica enclosure(s)/work area(s) using appropriate dust control measures, including a mechanical ventilation system and/or wetting, and/or the use of a dust collection system if practical. Compressed air or dry sweeping should be avoided.
3. The work area(s) should be thoroughly wetted prior to and/or during all silica removal operations.
4. Continuous cleaning during removal work operations should be conducted to control the spread of silica dust.

3.3 CLEAN-UP

1. Clean all surfaces by washing down with water and vacuuming with a HEPA vacuum until no visible residue remains to prevent dust-containing silica from spreading.
2. Workers exposed to silica should be provided with or have access to washing facilities equipped with clean water, soap, and individual towels.
3. Silica dust on personal protective clothing and equipment should be removed by damp wiping or HEPA vacuuming.
4. When exiting the enclosure(s)/area(s), dispose of contaminated disposable work clothes as construction waste.

5. All workers and visitors in the silica work area(s) must properly decontaminate themselves prior to leaving the work area.

3.4 RE-ESTABLISHMENT OF OBJECTS AND SYSTEMS

1. Reconstruct items demolished (if required) which are to remain and reinstall objects and items in their proper positions which were removed to facilitate silica removal operations. Reconstruction and reinstallation shall be done by tradesmen qualified in work being reinstalled or reconstructed.
2. Re-establish mechanical and electrical systems (if required) to remain operative in proper working order. Arrange for, and pay costs of, electrical or mechanical repairs needed due to this work.

3.5 DISPOSAL OF WASTE

1. Conform to requirements of Ontario Environmental Protection Act Regulation 374/90 (as amended) – General Waste Management.

END OF SECTION

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November 12, 2015

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Overcast 8⁰C

November 11, 2015

A review of the ongoing roof work was made. The work at present consists of flashing in new equipment and opening the existing roof to build stub walls for skylights, fans etc.

Lower East Roof

This is an EPDM roof and new equipment is being placed on this roof.



Picture 148



Picture 149

These bases have been flashed in with the appropriate materials; the work was acceptable.

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Overcast 8°C

November 11, 2015



Picture 150



Picture 151

These two areas are stub walls to support later construction. Nortex used modified bituminous felt to line the cut through the old roof so the bottom track of the stud wall bears on the original wood. This is a dubious choice as EPDM and asphalt do not go well together.



Picture 152

The recess has filled with rainwater and leaks are occurring. As the temporary roof is penetrated every few feet with screws holding the track leaks are inevitable. If the substrate can be dried a butyl sealant like Tremco TRS600 applied to each side of the track and all screw heads and track joints would lessen if not prevent leaking.

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Overcast 8°C

November 11, 2015



Picture 154



Picture 155

The chillers at the North side are flashed in, they are watertight but more work has to be done to complete the flashing.

High West Roof



Picture 156



Picture 157

On the higher level the existing roof is thicker leading to a deeper “trench.”

Nortex used modified bituminous felts to line the “trench” and that is an appropriate material for this roof. The securing screws for the bottom track penetrate the temporary seal so further work could be done when things dry out.

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Overcast 8⁰C

November 11, 2015



Picture 162



Picture 163

The large unit at the North end sits on structural posts. Re-roofing under the unit will be a challenge. The structural posts are sealed with a base ply and this will be strengthened when the new roof is installed.

A handwritten signature in black ink, appearing to be 'R. Kendall'.

R. Kendall
RK/bg
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November 26, 2015

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Fair, 4⁰C

November 25, 2015

Upper Level Roofing

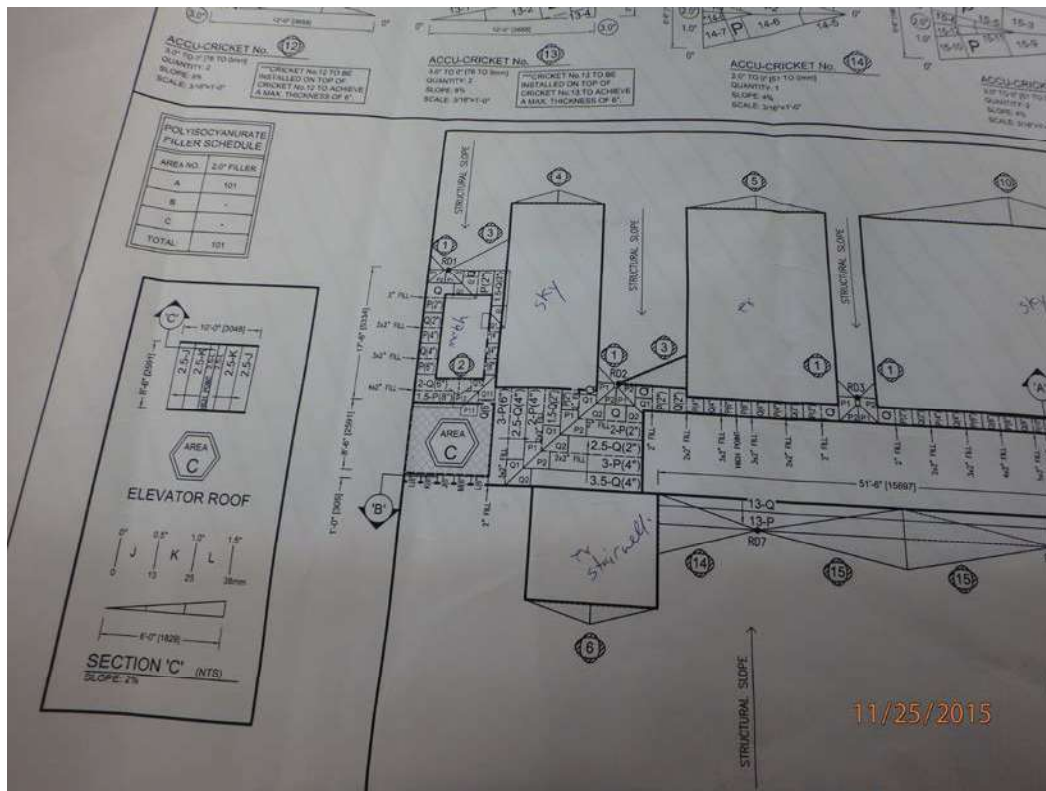
Roofing was in progress on the upper roof level.



Picture 393

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Fair, 4°C

November 25, 2015



Picture 400

1. At the new elevator structure the tapered insulation [Section B on the tapered drawing] was not installed as there was some problem with the shaft. I advised the roofer to roof in open "end" of the tapered insulation as it may be days before this area is released.



Picture 394



Picture 395

2. At the Southeast corner the crew was assembling the base insulation layers and the top tapered fibreboard. None had yet been adhered in hot asphalt.

The drains are not yet installed. This should be expedited if possible as heavy rain or snow will be held on the roof.

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Fair, 4°C

November 25, 2015



Picture 396

3. Most of the East side is now roofed, no gravel will be installed until all details and flashings are installed.



Picture 397

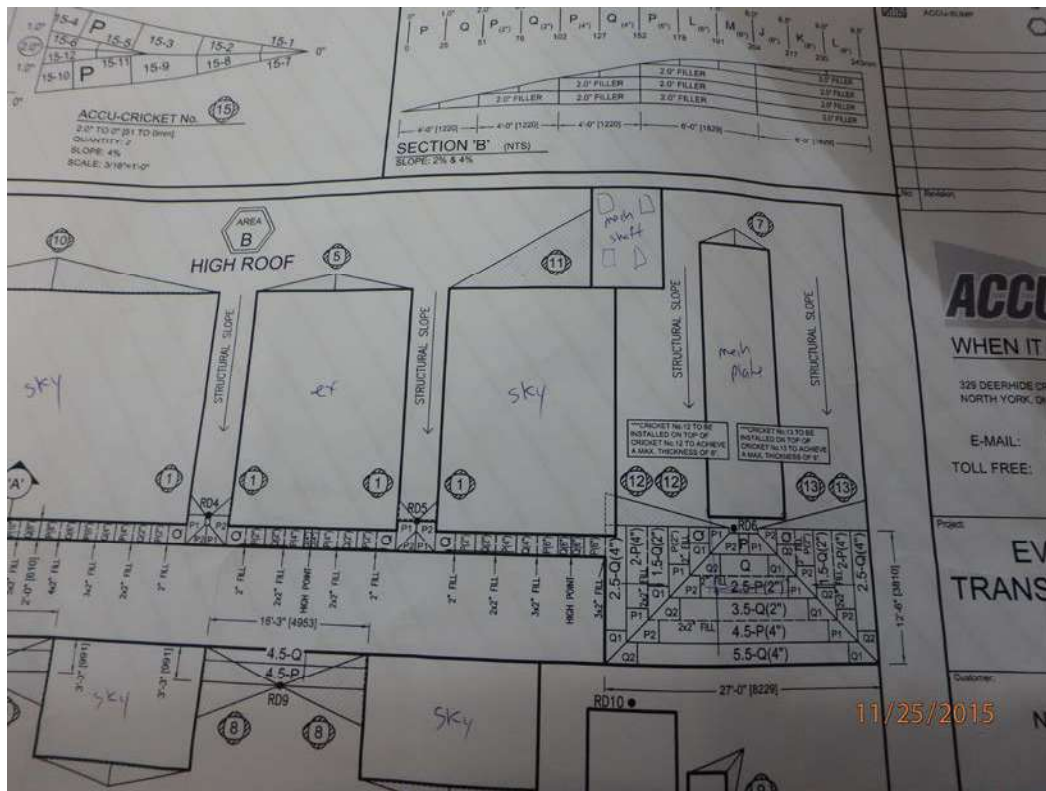


Picture 399

4. The cuts in the existing roofs to allow the steel track and studs to be installed are a potential problem. Rainwater can collect on the skylight side of the stub wall and then seep under the track and could wet the new roof. This was discussed on site and Somerville intends to dry out the recess and seal the track and the securing screws as soon as possible. Some of these openings could be uncovered until January I understand. Temporary roofs of tarps would be a more reliable cover as if a head of water develops the new roof may be compromised.

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Fair, 4°C

November 25, 2015



Picture 401

5. As the Northwest corner the change in the curbs has led to some changes to the tapered insulation. The crew is altering the details of the layout in response to these changes.

RK

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December 2, 2015

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Fair, 5°C

December 2, 2015

The Nortex crew were working on the high West roof placing flashings.



Picture 002

There has been an error in the layout of the North drain. In the picture the orange spot is where the roofer thought the drain was going, the green spot is nearer to the correct position.

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Fair, 5°C

December 2, 2015



Picture 003

At the same area the tapered insulation is laid as per the drawing but it has resulted in an incorrect slope. Nortex are contracting Accuplane to find a way to smooth out the transition between the new slope and the existing roof.



Picture 004

Work is underway flashing in the multiple curbs at the Northwest corner.

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Fair, 5°C

December 2, 2015



Picture 012



Picture 008

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Fair, 5°C

December 2, 2015



Picture 009

The crew have not sealed the top of the plies and leaks are occurring.



Picture 007

The seal on the interior of the skylight curb was not properly carried round the cut out for the structural steel. The crew are going to repair these.

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Fair, 5°C

December 2, 2015



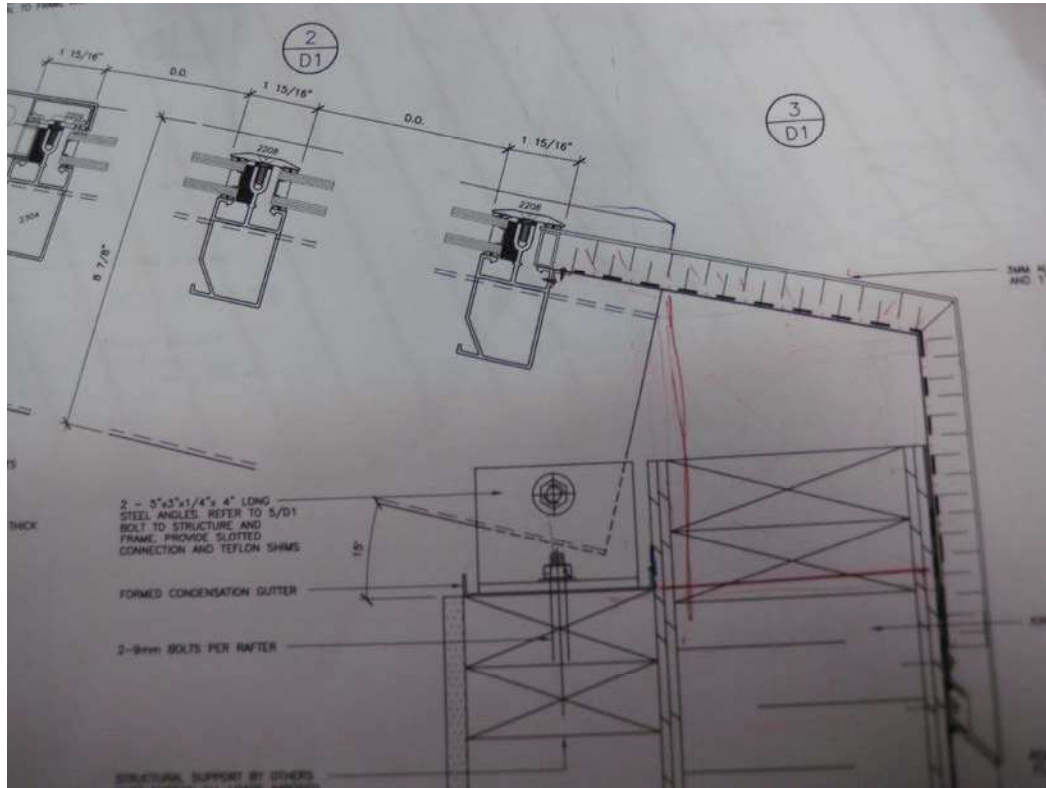
Picture 011

There is sufficient height at the North side of the two existing monitors to provide proper flashing.

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Fair, 5°C

December 2, 2015

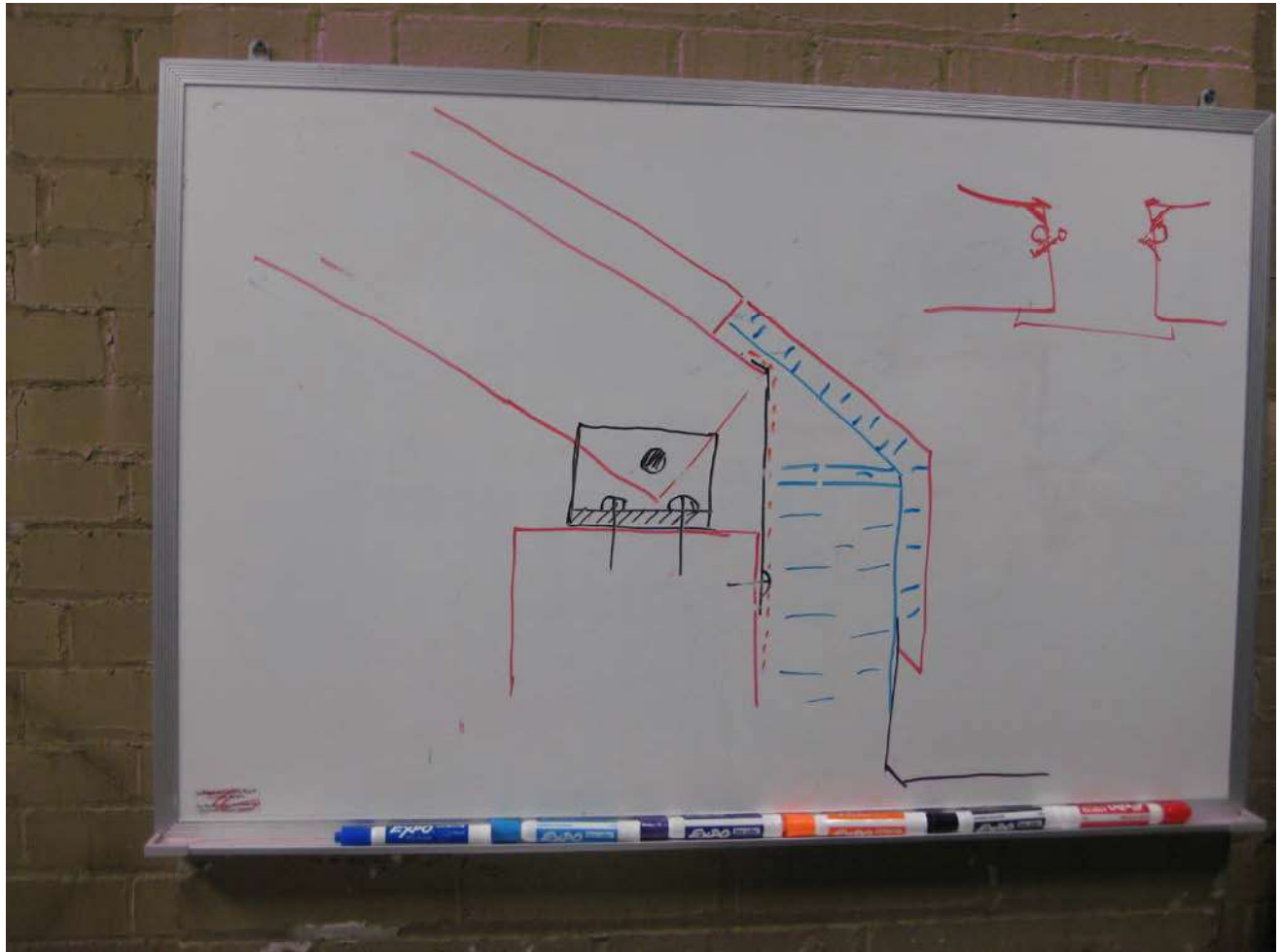
East Long Skylight – Upper Level



Picture 015

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection – Weather: Fair, 5°C

December 2, 2015



Picture 017

The Metro West skylight shop drawing will be a problem if it goes ahead as per the sketches above.

This system handles internal condensation or minor water being discharged from the mullion gutter into the insulation and behind the roofing.

I think we should fully flash the curbs now and not in January after the skylights are in place.

Could the architect consider this? Nortex to bring the two ply mod-bit flashing up and over the curb now. When the skylight is in position install the vertical insulation, using Type 4 Styrofoam (Roofmate) held in place by the roofer's sheet metal flashing.

We get total protection now and any minor condensation from the mullions will run down to the roof through the Type 4 material, similar to an inverted roof. We have done this many times and it works perfectly.

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January 11, 2016

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection

January 8, 2016

1. The Nortex crew was back on site with the objective of completing the hot mopped felts, completing the gravel application in hot Type 2 asphalt and de-mobilizing the hot kettle.



Picture 1076



Picture 1078

2. Torch applied cap sheet flashings are in progress, a termination bar is required to complete the install, before the metal counterflashing is placed.



Picture 1079

3. At the Southeast access ladder the roof gravel has yet to be installed, the flashings must be done first.

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection

January 8, 2016



Picture 1080

4. The much discussed flashings at the West end of the monitor roofs turned out well with adequate flashing height. The original copper counter flashing must be cleaned of asphalt.



Picture 1074

5. The skylights are in process of being installed. The roof flashing is in position but junction between the wood packer and the horizontal skylight base needs to be waterproofed. A piece of Blueskin connecting the two would be an effective seal.
6. In view of the coming heavy rain over the weekend and into the early part of the week I requested the roofer open up the drains. The drain bodies are in position but the roofer has only 2"± holes in his felts.

It is important to ensure good drainage to avoid a roof overload.

Re: 505 Richmond Street West – Eva's Phoenix – Roof Inspection

January 8, 2016

A handwritten signature in black ink, appearing to be 'R. Kendall', with a long horizontal stroke extending to the right.

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May 27, 2016

Re: 505 Richmond Street West – Roof Review

May 26, 2016



Picture 328



Picture 329

Lower East Roof

The Southeast corner of the skylight is irregular and Nortex will cut out the corner, insert a piece of tapered fibreboard and recover with E.P.D.M. sheet.



Picture 330

A fan base has the top edge of the E.P.D.M. protruding past the metal base plate. It looks as though the fan installers cut the new E.P.D.M. to make the fan fit the base. Nortex will repair the corner and supply and install a 3" brown flashing, slid under the base plate to improve the termination.

Re: 505 Richmond Street West – Roof Review

May 26, 2016



Picture 332

The E.P.D.M. termination along the North/South level change needs work. The termination bar is satisfactory but the struck mortar joints in the old brick will let water pass the seal as it runs down the wall.

Nortex will caulk the top of the termination bar; install a 3" deep flashing with a turn-back edge, caulked to the brickwork.

Upper Roof



Picture 334



Picture 333

The crews are installing the six inch insulation to the skylight curbs, and fitting the exterior metal.

A handwritten signature in black ink, appearing to read 'R. Kendall'.

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July 28, 2016

Re: 505 Richmond Street West – Eva's Phoenix – Skylight Review

July 27, 2016



Picture 1138

Re: 505 Richmond Street West – Eva's Phoenix – Skylight Review

July 27, 2016



Picture 1139

During the recent water test, which showed the skylights to be watertight, we observed that the low rise pressure plates had all had the screws changed to stainless counter sunk screws.

Some have silicone caps, shown in Picture 1138 above but others have no sealant cap, Picture 1139 above.

All of these screws need the caps as no neoprene washer was used when the screws were installed. These seals should be placed as soon as possible.

A handwritten signature in black ink, appearing to be 'R. Kendall'.

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July 28, 2016

Re: 505 Richmond Street West – Eva's Phoenix

July 25, 2016

On July 26, we carried out a series of water tests on skylights to confirm their water tight performance and to investigate the source of a reported leak during a recent rain.



Water was sprayed on each of the smaller skylights for a minimum of 15 minutes on each face. At the end of the test, no leaks were produced and the skylights were deemed to have passed the test.

Re: 505 Richmond Street West – Eva's Phoenix

July 25, 2016



On the longer skylights, water was sprayed on the skylight in 10' sections for 15 minutes in each section. At the end of the tests, no leaks were produced and the skylights were deemed to have passed the test.



When water was sprayed on the north-east corner of the north wood/copper clad clearstory water leaked into the building at the same location as the reported leak during recent rains. On investigation, we found that there were unsealed screw holes on the top surface of the existing copper flashing that enabled water to enter the clearstory wall and into the building. West Metro subsequently caulked the open screw holes and seams on the top surface of the copper flashing.

Re: 505 Richmond Street West – Eva's Phoenix

July 25, 2016

A handwritten signature in black ink, appearing to be 'R. Kendall', with a long horizontal stroke extending to the right.

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