

**REPORT  
TO  
GEORGE ROBB ARCHITECT**

**DESIGNATED SUBSTANCES SURVEY  
EGAN FUNERAL HOME  
203 QUEEN STREET SOUTH  
BOLTON, ONTARIO**

**Prepared by:**

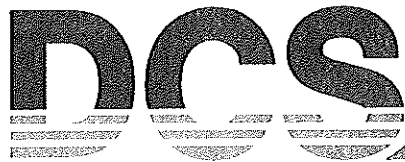
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July 2008

70059





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70059

3 July 2008

George Robb Architect  
4800 Dundas Street West, Suite 201  
Toronto, Ontario  
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Attention: Mr. Don Scott

Re: **Designated Substances Survey  
Egan Funeral Home  
203 Queen Street South  
Bolton, Ontario**

Dear Mr. Scott:

We are pleased to provide you with our report on the above.

Information on the presence of designated substances in a building is to be provided to all bidders at the tendering stage of a project in accordance with the requirements specified in the *Occupational Health and Safety Act*. The "Constructor" for a project is also required to ensure that each prospective contractor and subcontractor for the project has received a copy of the list of designated substances before entering into a contract.

We trust that the enclosed is suitable for your current purposes. Please call if you have any questions.

Yours very truly,

**DECOMMISSIONING CONSULTING SERVICES LIMITED**

**Jean Daigle**  
Environmental Specialist

**Wayne J. Cormack, M.Eng., CIH**  
Vice President

**TABLE OF CONTENTS**

|                       | <b>PAGE</b>                                                                          |
|-----------------------|--------------------------------------------------------------------------------------|
| <hr/>                 |                                                                                      |
| LETTER OF TRANSMITTAL |                                                                                      |
| 1.0                   | INTRODUCTION ..... 1-1                                                               |
| 1.1                   | SCOPE OF WORK ..... 1-2                                                              |
| 2.0                   | BACKGROUND INFORMATION ON DESIGNATED SUBSTANCES AND<br>HAZARDOUS MATERIALS ..... 2-1 |
| 2.1                   | ASBESTOS ..... 2-1                                                                   |
| 2.2                   | LEAD..... 2-2                                                                        |
| 2.3                   | MERCURY ..... 2-2                                                                    |
| 2.4                   | SILICA ..... 2-4                                                                     |
| 2.5                   | PCBS ..... 2-4                                                                       |
| 2.6                   | VINYL CHLORIDE..... 2-5                                                              |
| 2.7                   | ACRYLONITRILE..... 2-5                                                               |
| 2.8                   | MOULD ..... 2-6                                                                      |
| 3.0                   | RESULTS AND DISCUSSION ..... 3-1                                                     |
| 3.1                   | ASBESTOS ..... 3-1                                                                   |
| 3.2                   | LEAD..... 3-3                                                                        |
| 3.3                   | MERCURY ..... 3-4                                                                    |
| 3.4                   | PCBS ..... 3-4                                                                       |
| 3.5                   | SILICA ..... 3-4                                                                     |
| 3.6                   | OTHER DESIGNATED SUBSTANCES ..... 3-4                                                |
| 3.7                   | MOULD ..... 3-5                                                                      |
| 4.0                   | USE AND LIMITATIONS OF THIS REPORT ..... 4-1                                         |

|                           |                          |
|---------------------------|--------------------------|
| <b>LIST OF APPENDICES</b> | <b>AT REAR OF REPORT</b> |
|---------------------------|--------------------------|

- A Laboratory Reports
- B Summary of Asbestos, Lead and Silica Work Classifications
- C Floor Plans
- D Summary of Observations and Suspect Asbestos-Containing Material Outside Of the Study Area

|                       |                     |
|-----------------------|---------------------|
| <b>LIST OF TABLES</b> | <b>FOLLOWS PAGE</b> |
|-----------------------|---------------------|

- |     |                                                                               |
|-----|-------------------------------------------------------------------------------|
| 2.1 | Summary of Results of Analyses of Bulk Samples for Asbestos Content ..... 3-1 |
| 2.2 | Summary of Locations of Asbestos-Containing Materials..... 3-3                |
| 2.3 | Summary of Paint Sample Analyses for Lead ..... 3-3                           |

## 1.0 INTRODUCTION

Decommissioning Consulting Services Limited (DCS) was retained by George Robb Architect to conduct a designated substances survey at the Egan Funeral Home at 203 Queen Street S., Bolton, Ontario. It is our understanding that renovation work is planned for this building.

The funeral home was reportedly constructed in 4 phases. The original two story residence, including the basement and central section of the Funeral Home, was reportedly constructed in 1955. The casket display room was constructed in 1965. The second floor apartment was built in 1972. The garage and chapel to the east section of the funeral home were renovated in 1987. The house (1955) is masonry construction with both peaked and flat roof systems. The main funeral home (1955, 1972 and 1987), including the garage and second floor apartment, is masonry construction with flat roof systems. Floor plans are provided in Appendix C.

The “study area” included the funeral home and the second story apartment. The residence including the basement was outside the study area. Visual inspections were carried out in these areas, however, no bulk samples of materials were taken. A summary of our inspection observations in areas outside of the study area is provided in Appendix D.

The Ontario *Occupational Health and Safety Act* requires that a list of all “designated substances” at a project site be provided to all bidders at the tendering stage and that the “Constructor” for a project shall ensure that each prospective contractor and subcontractor for the project has received a copy of the list before entering into a contract. Eleven substances are classified as “designated substances” in Ontario: asbestos, lead, silica, mercury, arsenic, benzene, acrylonitrile, ethylene oxide, isocyanates, vinyl chloride, and coke oven emissions. Of these, asbestos, lead, silica and mercury are considered the most likely to be encountered in materials and equipment found in buildings.

The survey was undertaken, therefore, to report on the presence or suspected presence of readily observable asbestos-containing materials, lead, mercury and silica. The investigation also included for inspections carried out to determine the presence of PCB-containing light ballasts and mould.

## 1.1 SCOPE OF WORK

The scope of work for our investigation of the facility included:

- inspection of readily-accessible areas in the Residence and Funeral Home for the presence of designated substances;
- obtaining representative bulk samples of materials suspected of containing asbestos and paint applications for lead content determination;
- laboratory analysis of bulk materials for asbestos content and paint samples for lead content;
- identifying types of fluorescent light ballasts to provide an indication of whether or not the ballasts are likely to contain PCBs;
- inspection of thermostats for the presence of switches containing mercury;
- inspection for the presence of “suspect” mould; and
- preparation of a report outlining the findings of the investigation.

Mr. Jean Daigle of DCS visited the site on 28 May 2008 to conduct the designated substance survey. The findings of the survey are presented below.

Inaccessible areas (e.g., above solid ceilings and inside wall cavities) were not accessed for designated substances inspection purposes.

## **2.0 BACKGROUND INFORMATION ON DESIGNATED SUBSTANCES AND HAZARDOUS MATERIALS**

The Ontario *Occupational Health and Safety Act* requires that a list of all “designated substances” at a project site be provided to all bidders at the tendering stage and that the “Constructor” for a project shall ensure that each prospective contractor and subcontractor for the project has received a copy of the list before entering into a contract. Eleven substances are classified as “designated substances” in Ontario: asbestos, lead, silica, mercury, arsenic, benzene, acrylonitrile, ethylene oxide, isocyanates, vinyl chloride, and coke oven emissions. Other “hazardous materials” which require special handling during construction or demolition activities include polychlorinated biphenyls (PCBs), ozone-depleting substances (ODS) and mould.

Legal requirements which apply to health and safety on construction projects are set out in the *Ontario Occupational Health and Safety Act* and regulations made under the Act. The *Occupational Health and Safety Act* specifies, in general terms, the duties of employers and others to protect workers from health and safety hazards on the job. These duties include taking all reasonable precautions to protect the health and safety of workers and acquainting a worker or a person in authority over a worker with any hazard in the work and in the handling, storage, use, disposal and transport of any hazardous materials. The *Regulation for Construction Projects*, O.Reg. 213/91 (amended to O. Reg. 85/04), applies to all construction projects, and requires the use of appropriate personal protection equipment, training in the use of protective equipment and the provision of adequate washing facilities.

Other regulatory requirements (and guidelines) which apply to control of exposure to designated substances and hazardous materials are referenced in the sections below.

### **2.1 ASBESTOS**

Asbestos has been widely used in buildings, both in friable applications (materials which can be crumbled, pulverized or powdered by hand pressure, when dry) such as pipe and tank insulation, sprayed-on fireproofing and acoustic texture material and in non-friable manufactured products such as floor tile, gaskets, cement board and so on. The use of asbestos in friable applications was curtailed around the mid-1970s and, as such, most buildings constructed prior to about 1975 contain some form of friable construction material with an asbestos content. The use of asbestos in certain non-friable materials continued beyond the mid-1970s.

Control of exposure to asbestos is governed in Ontario by Regulation 278/05 – *Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations*. Disposal of asbestos waste (friable and non-friable materials) is governed by Ontario Regulation 278/05 and by Ontario Regulation 347, Waste Management – General. O.Reg. 278/05 classifies asbestos work operations into three types (Type 1, 2 and 3) and specifies procedures to be followed in conducting asbestos abatement work.

## 2.2 LEAD

Lead is a heavy metal that can be found in construction materials such as paints, coatings, mortar, concrete, solder, packings, sheet metal, caulking, glazed ceramic products and cable splices. Lead has been used historically in exterior and interior paints. “Lead-based paint” is defined in federal legislation in the United States as paint which contains 0.5 percent (5,000 ppm) or more lead. In Canada, the lead content of paints and other liquid coatings on furniture, household products, children’s products and surfaces (exterior and interior) of any building frequented by children was restricted to 0.5% in 1976.

The *Surface Coating Materials Regulations* made under the *Hazardous Products Act*, published in the Canada Gazette Part II on May 4, 2005 currently restricts the maximum total lead content requirement to 600 mg/kg (0.06 percent weight/weight or 600 parts per million) for surface coating materials (e.g., paints) used in or around a house or other premises attended by children or pregnant women.

The Ministry of Labour *Guideline, Lead on Construction Projects*, dated September 2004, provides guidance in the measures and procedures that should be followed when handling lead-containing materials during construction projects. In the guideline, lead-containing construction operations are classified into three groups - Type 1 (low risk), Type 2 (medium risk) and Type 3 (high risk) based on presumed airborne concentrations of lead, as shown in Appendix B, Table B-2. Any operation that may expose a worker to lead that is not a Type 1, Type 2, or Type 3b operation, is classified as a Type 3a operation.

## 2.3 MERCURY

Mercury has been used in electrical equipment such as alkaline batteries, fluorescent light bulbs (lamps), high intensity discharge (HID) lights (mercury vapour, high pressure sodium and metal halide), “silent switches” and in instruments such as thermometers, manometers and barometers, pressure gauges, float and level switches and flow meters. Mercury-containing lamps, the bulk

of which are 1.22 m (four foot) fluorescent lamps contain between 7 and 40 mg of mercury each. Mercury compounds have also been used by many manufacturers historically as additives in latex paint to protect the paint from mildew and bacteria during production and storage.

The intentional addition of mercury to Canadian-produced consumer paints for interior use was prohibited in 1991. Mercury may have remained in paints after 1991, however, as a result of impurities in the paint ingredients or cross-contamination due to other manufacturing processes. The *Surface Coating Materials Regulations* made under the *Hazardous Products Act*, published in the Canada Gazette Part II on May 4, 2005 sets a maximum total mercury concentration of 10 mg/kg (0.001 percent weight/weight) for all surface coating materials (including paint).

Mercury-containing thermostats and silent light switches are mercury tilt switches which are small tubes with electrical contacts at one end of the tube. A mercury tilt switch is usually present when no switch is visible. Mercury switches often have the word “TOP” stamped on the upper end of the switch, which is visible after removing the cover plate. If mercury switches are to be removed, the entire switch should be removed and placed into a suitable container for storage and disposal.

No special requirements exist in Ontario for disposal of small quantities (i.e., less than 30) of waste light tubes. Larger quantities of waste light tubes (more than 30) generated during renovations or building demolition and waste mercury from equipment must either be recycled or disposed of in accordance with the requirements of Ont. Reg. 347 - *Waste Management, General*.

Waste mercury in amounts less than 5 kg (per month) are exempt from the generator registration requirements prescribed by O.Reg. 347 – *Waste Management – General*. Waste mercury from mercury switches or gauges should, however, be properly collected and shipped to a recycling facility or disposed of as a hazardous waste. Removal of mercury-containing equipment (e.g., switches, gauges, controls, etc.) should be carried out in a manner which prevents spillage and exposure to workers.

The measures and procedures in the Ministry of Labour *Guideline - Lead in Construction Projects* for control of exposure to lead from paint applications during construction activities will also serve to control potential exposure to mercury in paint.

2.4 SILICA

Silica exists in several forms of which crystalline silica is of most concern with respect to potential worker exposures. Quartz is the most abundant type of crystalline silica. Some commonly used construction materials containing silica include brick, refractory brick, concrete, concrete block, cement, mortar, rock and stone, sand, fill dirt, topsoil and asphalt containing rock or stone.

The Ministry of Labour Guideline, *Silica on Construction Projects*, dated September 2004, provides guidance in controlling exposure to silica dust during construction activities. In the guideline, silica-containing construction operations are classified into three groups - Type 1 (low risk), Type 2 (medium risk) and Type 3 (high risk) based on presumed airborne concentrations of respirable crystalline silica in the form of cristobalite, tridymite, quartz and tripoli shown in Table 5.2. in Appendix B, Table B-3.

2.5 PCBs

Polychlorinated biphenyls (PCBs) are a man-made compound first manufactured in 1929 and used extensively up until the late 1970s as a dielectric fluid in transformers, motor capacitors and lighting ballasts as well as in high-temperature hydraulic systems and as a stable cutting fluid in machinery operations. The manufacture and sale of new equipment containing PCBs has been prohibited in Canada since 1 July 1980. Continued operation of PCB-containing equipment supplied prior to July 1980 is still permitted. Handling, storage and disposal of such equipment is, however, tightly regulated and must be managed in accordance with provincial and federal government requirements as soon as it is taken out of service or becomes unserviceable.

The primary regulation of concern when dealing with equipment containing PCBs or PCB waste generated as a result of building renovation or demolition is R.R.O. 1990 / Reg. 362. Under this regulation, PCB waste is defined as any waste material containing PCBs in concentrations of 50 parts per million (ppm) or greater. Any equipment containing PCBs at or greater than this level, such as transformers, switchgear, light ballasts and capacitors, which is removed from service due to age, failure or as a result of building renovation or demolition, is considered to constitute a PCB waste. Although current legislation (effective 1 July 1980) has prohibited the manufacture and sale of new equipment containing PCBs since that time, continued operation of equipment supplied prior to this date and containing PCBs is still permitted. Handling, storage and disposition of such equipment is, however, tightly regulated and must be managed in accordance with provincial and federal government requirements as soon as it is taken out of

service or becomes unserviceable. At present there are two options for disposal of PCB waste. The first option available is off-site disposal at a licensed facility. This involves transportation to one of several transfer and recycling stations currently operating in Ontario. This option is becoming very practical for both small and large volumes of solid or liquid waste, particularly fluorescent light ballasts, due to significant drops in transportation and processing costs and is the preferred option.

The second option involves storage of the waste on-site (or at another property owned by the owner of the waste) in a registered facility conforming to the requirements addressed in Regulation 362.

Transportation of the PCB waste in Ontario is subject to O.Reg. 347 and requires direction from the Ministry of the Environment (MOE). Director's Instructions are not required if the total volume of PCB liquid is less than 50 L. Licensed waste haulers must, however, be used at all times when transporting PCB waste.

The MOE has also developed internal policies for the management of small quantities of PCB ballast waste for small generators where the number of affected ballasts is typically less than 40. In most cases involving a one-time disposal of a small quantity of ballasts, establishment of a registered storage facility will not be required. The MOE will usually allow the generator to dispose of these ballasts as non-hazardous municipal waste. The application of this policy in each district office may vary and the local office of the MOE should be contacted regarding specific disposal requirements.

## **2.6 VINYL CHLORIDE**

Vinyl chloride vapours may be released from polyvinyl chloride (PVC) products in the event of heating or as a result of decomposition during fire. PVC is used in numerous materials that may be found in building construction, including, for example, piping, conduits, siding, window and door frames, plastics, garden hoses, flooring and wire and cable protection.

## **2.7 ACRYLONITRILE**

Acrylonitrile is used to produce nitrile-butadiene rubber, acrylonitrile-butadiene-styrene (ABS) polymers and styrene-acrylonitrile (SAN) polymers. Products made with ABS resins which may be found in buildings include telephones, bottles, packaging, refrigerator door liners, plastic pipe,

building panels and shower stalls. Acrylonitrile can be released into the air by combustion of products containing ABS.

## 2.8 MOULD

Moulds are forms of fungi that are found everywhere - both indoors and outdoors all year round. Outdoors, moulds live in the soil, on plants and on dead and decaying matter. More than 1,000 different kinds of indoor moulds have been found in buildings. Moulds spread and reproduce by making spores, which are small and light-weight, able to travel through air, capable of resisting dry, adverse environmental conditions, and hence capable of surviving a long time. Moulds need moisture and nutrients to grow and their growth is stimulated by warm, damp and humid conditions.

Control of exposure to mould is required under Section 25(2)(h) of the *Ontario Occupational Health and Safety Act*, which states that employers shall take every precaution reasonable in the circumstances for the protection of workers. Recommended work practices are outlined in the following documents:

- Information Bulletin - *Abatement and Mould Remediation in Construction*. Ontario Ministry of Labour. January 2000.
- *Mould Guidelines for the Canadian Construction Industry*. Standard Construction Document CCA 82 2004. Canadian Construction Association.

3.0 RESULTS AND DISCUSSION

3.1 ASBESTOS

Representative bulk samples were collected by DCS staff during the course of the site inspections and were forwarded to EMSL Analytical, Inc., a commercial laboratory in Buffalo, New York, U.S.A., for asbestos analyses. Results of bulk sample analyses for asbestos content are provided in Table 2.1. Laboratory reports are provided in Appendix A.

Samples of asphalt roofing shingles on the peaked roof systems were taken and were found to be non-asbestos-containing. Samples of the roofing materials from flat roof systems were not obtained from the buildings at the time of our site inspection. Samples of the roofing materials (on the flat roof areas) should be obtained and analyzed for asbestos content prior to the onset of renovation work if the roofing materials will be affected by the work. All asbestos-containing vinyl sheet flooring was comprised of a vinyl layer and a paper layer. Both layers should be treated as asbestos-containing material.

**TABLE 2.1**  
**SUMMARY OF RESULTS OF BULK SAMPLE FOR ASBESTOS CONTENT**  
**EGAN FUNERAL HOME**

| Sample No.     | Location | Description            | Asbestos Content |
|----------------|----------|------------------------|------------------|
| C-PL-1A        | Rm C     | Plaster wall - 1957    | None Detected    |
| D-PL-1B        | Rm D     | Plaster wall - 1957    | None Detected    |
| E-PL-1C        | Rm E     | Plaster wall - 1957    | None Detected    |
| A closet-PL-2A | Closet A | Plaster Ceiling - 1972 | None Detected    |
| 2N-PL-2B       | Rm 2N    | Plaster Wall - 1972    | None Detected    |
| 2P-PL-2C       | Rm 2P    | Plaster Ceiling - 1972 | None Detected    |
| 2Q-PL-2D       | Rm 2Q    | Plaster Wall - 1972    | None Detected    |
| 2W- PL-2E      | Rm 2W    | Plaster Ceiling - 1972 | None Detected    |
| 2A-AC-3A       | Rm 2A    | Acoustical Spray 1987  | None Detected    |
| 2H-AC-3B       | Rm 2H    | Acoustical Spray 1987  | None Detected    |
| 2H-AC-3C       | Rm 2H    | Acoustical Spray 1987  | None Detected    |
| 2E-AC-3D       | Rm 2E    | Acoustical Spray 1987  | None Detected    |
| 2I-AC-3E       | Rm 2I    | Acoustical Spray 1987  | None Detected    |
| 2I-AC-3F       | Rm 2I    | Acoustical Spray 1987  | None Detected    |
| 2I-AC-3G       | Rm 2I    | Acoustical Spray 1987  | None Detected    |
| 2-0-AC-4A      | Rm 2-0   | Acoustical Spray 1972  | None Detected    |
| 2-0-AC-4B      | Rm 2-0   | Acoustical Spray 1972  | None Detected    |

| Sample No.     | Location       | Description                                      | Asbestos Content |
|----------------|----------------|--------------------------------------------------|------------------|
| 2-0-AC-4C      | Rm 2-0         | Acoustical Spray 1972                            | None Detected    |
| E-DW-2A        | Rm E           | Drywall joint compound east wall 1965            | 1.8% Chrysotile  |
| 2X-DW-3A       | Rm 2X          | Drywall joint compound wall 1972                 | 1.3% Chrysotile  |
| D-DW-1A        | Rm D           | Drywall joint compound wall 1987                 | None Detected    |
| D-DW-1B        | Rm D           | Drywall joint compound wall 1987                 | None Detected    |
| D-DW-1C        | Rm D           | Drywall joint compound wall 1987                 | None Detected    |
| U-DW-1D        | Rm U           | Drywall joint compound wall 1987                 | None Detected    |
| 2B-DW-1E       | Rm 2B          | Drywall joint compound wall 1987                 | None Detected    |
| C-SF-1A        | Rm C           | Vinyl sheet flooring, brown terrazzo look        | None Detected    |
| C-SF-1B        | Rm C           | Vinyl sheet flooring, brown terrazzo look        | None Detected    |
| C-SF-1C        | Rm C           | Vinyl sheet flooring, brown terrazzo look        | None Detected    |
| A closet SF-2A | Closet A       | Vinyl sheet flooring, gold floral                | None Detected    |
| A closet SF-2B | Closet A       | Vinyl sheet flooring, gold floral                | None Detected    |
| A closet SF-2C | Closet A       | Vinyl sheet flooring, gold floral                | None Detected    |
| G-FT-3A        | Rm G           | 12" x12" floor tile, beige with beige fleck 1987 | None Detected    |
| G-FT-3B        | Rm G           | 12" x12" floor tile, beige with beige fleck 1987 | None Detected    |
| G-FT-3C        | Rm O           | 12" x12" floor tile, beige with beige fleck 1987 | None Detected    |
| 2C-SF-4A       | Rm 2C          | Vinyl sheet flooring, embossed                   | None Detected    |
| 2C-SF-4B       | Rm 2C          | Vinyl sheet flooring, embossed                   | None Detected    |
| 2C-SF-4C       | Rm2C           | Vinyl sheet flooring, embossed                   | None Detected    |
| 2M-SF-5A       | Rm 2M          | Vinyl sheet flooring, rose and white             | None Detected    |
| 2M-SF-5B       | Rm 2M          | Vinyl sheet flooring, rose and white             | None Detected    |
| 2M-SF-5C       | Rm 2M          | Vinyl sheet flooring, rose and white             | None Detected    |
| 2P-SF-6A       | Rm 2P          | Vinyl sheet flooring, yellow green 1972          | 15.9% chrysotile |
| 2S-SF-7A       | Rm 2S          | Vinyl sheet flooring, marble look 1972           | 11.8% chrysotile |
| 2X-SF-8A       | Rm 2X          | Vinyl sheet flooring, brown 1972                 | None Detected    |
| 2X-SF-8B       | Rm 2X          | Vinyl sheet flooring, brown 1972                 | None Detected    |
| 2X-SF-8C       | Rm 2X          | Vinyl sheet flooring, brown 1972                 | None Detected    |
| B8-SF-9A       | Rm B8          | Vinyl sheet flooring, 6" x 8" look top layer     | None Detected    |
| B8-SF-9B       | Rm B8          | Vinyl sheet flooring, 6" x 8" look top layer     | None Detected    |
| B8-SF-9C       | Rm B8          | Vinyl sheet flooring, 6" x 8" look top layer     | None Detected    |
| B8-SF-10A      | Rm B8          | Vinyl sheet flooring, bottom layer               | 4.3% chrysotile  |
| Roof – 1A      | Residence roof | Asphalt shingle, brown 1957                      | None Detected    |
| Roof – 1B      | Residence roof | Asphalt shingle, brown 1957                      | None Detected    |
| Roof – 1C      | Apartment roof | Asphalt shingle, brown 1972                      | None Detected    |

**Note:**

It was reported that vermiculite insulation is present within the wall cavities in the east, west and south walls of washroom C including the vestibule. If the vermiculite is to be disturbed it should be tested for asbestos content.

On the basis of the survey work carried out by DCS no accessible friable asbestos-containing were found to be present. A summary of non-friable asbestos-containing materials identified in the funeral home is presented in Table 2.2.

**TABLE 2.2**  
**SUMMARY OF LOCATIONS OF ASBESTOS-CONTAINING MATERIALS**  
**EGAN FUNERAL HOME**

| Location                 | Non-Friable Asbestos-Containing Materials    |
|--------------------------|----------------------------------------------|
| Rm B8 and B9             | Vinyl sheet flooring (bottom layer only)     |
| Rm E                     | Drywall joint compound (west wall only)      |
| Casket<br>Showroom stair | Drywall joint compound on walls              |
| Rm 2K, 2L and<br>2M      | Drywall joint compound on walls and ceilings |
| Rm 2P                    | Vinyl sheet flooring                         |
| Rm 2S                    | Vinyl sheet flooring                         |
| Rm 2X                    | Drywall joint compound on walls and ceilings |

**Note:**

- (1) The paper backing associated with vinyl sheet flooring can become friable during the removal of the flooring material.

Asbestos-containing materials may be present in inaccessible areas such as pipe chases, bulkheads, under carpets and above solid ceilings or behind walls.

**3.2 LEAD**

Samples of paint obtained by DCS during the course of our site inspections were forwarded to EMSL Analytical, Inc., Westmont, New Jersey. The results of the analyses are presented in Table 2.3. One of three paint samples tested was found to contain lead at a level exceeding 5,000 ppm (i.e. >0.5%). The paint on the exterior soffit of the 1957 residence was found to be in fair condition.

**TABLE 2.3**  
**SUMMARY OF PAINT SAMPLE ANALYSES FOR LEAD**  
**EGAN FUNERAL HOME**

| SAMPLE NO. | LOCATION        | DESCRIPTION                 | LEAD CONTENT (%) |
|------------|-----------------|-----------------------------|------------------|
| Paint 1    | Room D          | West wall paint on plaster  | <0.01% wt.       |
| Paint 2    | Room 2P         | North wall paint on plaster | 0.03% wt.        |
| Paint 3    | Exterior soffit | Residence                   | 1.4% wt.         |

Lead may also be present in the solder on the seals of bell joints of any cast iron drainpipe and in the solder on the sweated-on joints between copper pipe and fittings. Procedures to be followed when handling any lead pipe or lead solder would be dependent on whether the pipe is dismantled by high temperature cutting or by cold cutting techniques, and in the case of pipe solder, whether the cutting process affects the solder.

### 3.3 MERCURY

“Silent switches” which may contain mercury were observed throughout the subject buildings. Mercury should also be assumed to be present in paint applications (albeit likely in low concentrations) and as a gas in fluorescent light tubes.

### 3.4 PCBs

Fluorescent lights were observed throughout the subject buildings. Light ballasts such as those associated with the type of fluorescent lights (T12s) identified on-site may contain PCBs.

In order to verify if a ballast contains PCBs or not, the date code stamped on the bottom (or back) of the ballast should be checked on each ballast removed by an electrician at the time of dismantling of the lights for comparison with information published by the manufacturers and by the federal government regarding which ballasts contain PCB fluids. Any ballasts manufactured prior to January 1980 should be assumed to contain PCBs unless otherwise indicated. The publication entitled *Identification of Lamp Ballasts Containing PCBs, Report EPS 2/CC/2 (revised)*, by Environment Canada, dated August 1991, provides guidance in this regard. It should be noted that most manufacturers in the U.S. and Canada voluntarily discontinued the manufacture of PCB-containing ballasts in the late 1970's. It is possible, therefore, that ballasts manufactured between mid-1978 and 1980 do not contain PCBs.

### 3.5 SILICA

Materials observed in the subject buildings which should be considered to contain silica included gypsum board, drywall joint compound, plaster, concrete, masonry, brick and mortar.

### 3.6 OTHER DESIGNATED SUBSTANCES

No other designated substances (benzene, isocyanates, arsenic, ethylene oxide and coke oven emissions) were observed to be present in the building and none would be expected to be

encountered in any building materials at the Egan Funeral Home in a form that would represent an exposure concern. Arsenic may be present at low levels in paint applications. The measures and procedures outlined above for control of potential exposure to lead in paint during construction activities will also serve to control potential exposure to any arsenic (or mercury) in paint.

As mentioned in Sections 2.6 and 2.7 above, vinyl chloride and acrylonitrile would only be a potential exposure concern in the event of combustion of PVC or ABS products.

### **3.7 MOULD**

No suspect mould was observed during the course of our site inspections.

#### 4.0 USE AND LIMITATIONS OF THIS REPORT

This report, prepared for George Robb Architect on behalf of Egan Funeral Home, does not provide certification or warranty, expressed or implied, that the investigation conducted by DCS identified all designated substances (as defined in the *Ontario Occupational Health and Safety Act*) or uncovered all mould locations at the site. The work undertaken by DCS was directed to provide information on the presence of designated substances in the subject building based on visual inspection of readily accessible areas of the building and on the results of laboratory analysis of a limited number of bulk samples of material for asbestos content and laboratory analysis of a limited number of paint chip samples for lead content. The material in the report reflects DCS' best judgement in light of the information available at the time of the investigation, 28 May 2008.

This report was prepared by DCS for George Robb Architect and Egan Funeral Home. Any use which any other party makes of the report, or reliance on, or decisions to be based on it, is the responsibility of such parties.

**APPENDIX A**  
**LABORATORY REPORTS**



EMSL Analytical, Inc.

490 Rowley Road, Depew, NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: [buffalo@emsl.com](mailto:buffalo@emsl.com)

Attn: **Jean Daigle**  
**Decommissioning Consulting Services Ltd.**  
**121 Granton Drive, Unit 11**  
**Richmond Hill, Ontario, CN L4B3N4**

Customer ID: DCSL97  
Customer PO: 70059  
Received: 05/30/08 10:30 AM  
EMSL Order: 140802648

Fax: (905) 882-8962 Phone: (905) 882-5984  
Project: 70059 Egan

EMSL Proj:  
Analysis Date: 6/4/2008  
Report Date: 6/4/2008

**Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.**

| Sample                      | Location            | Appearance                      | Non-Asbestos    |                            | Asbestos      |
|-----------------------------|---------------------|---------------------------------|-----------------|----------------------------|---------------|
|                             |                     |                                 | % Fibrous       | % Non-Fibrous              | % Type        |
| 2A-AC-3A<br>140802648-0001  | acoustic spray 1987 | White<br>Fibrous<br>Homogeneous | 5.00% Cellulose | 95.00% Non-fibrous (other) | None Detected |
| 2H-AC-3B<br>140802648-0002  | acoustic spray 1987 | White<br>Fibrous<br>Homogeneous | 5.00% Cellulose | 95.00% Non-fibrous (other) | None Detected |
| 2H-AC-3C<br>140802648-0003  | acoustic spray 1987 | White<br>Fibrous<br>Homogeneous | 5.00% Cellulose | 95.00% Non-fibrous (other) | None Detected |
| 2E-AC-3D<br>140802648-0004  | acoustic spray 1987 | White<br>Fibrous<br>Homogeneous | 2.00% Cellulose | 98.00% Non-fibrous (other) | None Detected |
| 2I-AC-3E<br>140802648-0005  | acoustic spray 1987 | White<br>Fibrous<br>Homogeneous | 3.00% Cellulose | 97.00% Non-fibrous (other) | None Detected |
| 2I-AC-3F<br>140802648-0006  | acoustic spray 1987 | White<br>Fibrous<br>Homogeneous | 2.00% Cellulose | 98.00% Non-fibrous (other) | None Detected |
| 2I-AC-3G<br>140802648-0007  | acoustic spray 1987 | White<br>Fibrous<br>Homogeneous | 2.00% Cellulose | 98.00% Non-fibrous (other) | None Detected |
| 2-O-AC-4A<br>140802648-0008 | acoustic spray 1972 | White<br>Fibrous<br>Homogeneous | 1.00% Cellulose | 99.00% Non-fibrous (other) | None Detected |
| 2-O-AC-4B<br>140802648-0009 | acoustic spray 1972 | White<br>Fibrous<br>Homogeneous | 1.00% Cellulose | 99.00% Non-fibrous (other) | None Detected |
| 2-O-AC-4C<br>140802648-0010 | acoustic spray 1972 | White<br>Fibrous<br>Homogeneous | 1.00% Cellulose | 99.00% Non-fibrous (other) | None Detected |

Analyst(s)  
Andrew Maciejewski (29)  
Rachel Glese (16)

*Rhonda McGee*  
Rhonda McGee, Laboratory Manager  
or other approved signatory

Unless otherwise noted, the results in this report have not been blank corrected. Samples received in good condition unless otherwise noted.  
Analysis performed by EMSL Buffalo (NVLAP #200056-0), NY ELAP #11606



EMSL Analytical, Inc.

490 Rowley Road, Depew, NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: [buffalolab@emsl.com](mailto:buffalolab@emsl.com)

Attn: **Jean Daigle**  
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**121 Granton Drive, Unit 11**  
**Richmond Hill, Ontario, CN L4B3N4**

Fax: (905) 882-8962 Phone: (905) 882-5984  
Project: 70059 Egan

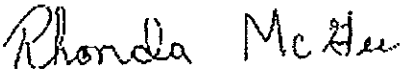
Customer ID: DCSL97  
Customer PO: 70059  
Received: 05/30/08 10:30 AM  
EMSL Order: 140802648

EMSL Proj:  
Analysis Date: 6/4/2008  
Report Date: 6/4/2008

**Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.**

| Sample                     | Location                       | Appearance                          | Non-Asbestos |                             | Asbestos                     |
|----------------------------|--------------------------------|-------------------------------------|--------------|-----------------------------|------------------------------|
|                            |                                |                                     | % Fibrous    | % Non-Fibrous               | % Type                       |
| D-DW-1A<br>140802648-0011  | drywall compound<br>1987       | White<br>Non-Fibrous<br>Homogeneous |              | 100.00% Non-fibrous (other) | None Detected                |
| D-DW-1B<br>140802648-0012  | drywall compound<br>1987       | White<br>Non-Fibrous<br>Homogeneous |              | 100.00% Non-fibrous (other) | None Detected                |
| S-DW-1C<br>140802648-0013  | drywall compound<br>1987       | White<br>Non-Fibrous<br>Homogeneous |              | 100.00% Non-fibrous (other) | None Detected                |
| U-DW-1D<br>140802648-0014  | drywall compound<br>1987       | White<br>Non-Fibrous<br>Homogeneous |              | 100.00% Non-fibrous (other) | None Detected                |
| 2B-DW-1E<br>140802648-0015 | drywall compound<br>1987       | White<br>Non-Fibrous<br>Homogeneous |              | 100.00% Non-fibrous (other) | None Detected                |
| E-DW-2A<br>140802648-0016  | drywall joint<br>compound 1965 | White<br>Fibrous<br>Homogeneous     |              | 98.20% Non-fibrous (other)  | 1.80% Chrysotile             |
| G-DW-2B<br>140802648-0017  | drywall joint<br>compound 1965 |                                     |              |                             | Stop Positive (Not Analyzed) |
| 2L-DW-2C<br>140802648-0018 | drywall joint<br>compound 1965 |                                     |              |                             | Stop Positive (Not Analyzed) |
| 2L-DW-2D<br>140802648-0019 | drywall joint<br>compound 1965 |                                     |              |                             | Stop Positive (Not Analyzed) |
| 2L-DW-2E<br>140802648-0020 | drywall joint<br>compound 1965 |                                     |              |                             | Stop Positive (Not Analyzed) |

Analyst(s)  
Andrew Maciejewski (29)  
Rachel Giese (16)

  
Rhonda McGee, Laboratory Manager  
or other approved signatory

Unless otherwise noted, the results in this report have not been blank corrected. Samples received in good condition unless otherwise noted.  
Analysis performed by EMSL Buffalo (NVLAP #200056-0), NY ELAP #11606



**EMSL Analytical, Inc.**

490 Rowley Road, Depew, NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: [buffalolab@emsl.com](mailto:buffalolab@emsl.com)

Attn: **Jean Dalgie**  
**Decommissioning Consulting Services Ltd.**  
**121 Granton Drive, Unit 11**  
**Richmond Hill, Ontario, CN L4B3N4**

Customer ID: DCSL97  
Customer PO: 70059  
Received: 05/30/08 10:30 AM  
EMSL Order: 140802648

Fax: (905) 882-8962 Phone: (905) 882-5984  
Project: 70059 Egan

EMSL Proj:  
Analysis Date: 6/4/2008  
Report Date: 6/4/2008

**Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.**

| Sample                           | Location                                                | Appearance                         | Non-Asbestos     |                             | Asbestos                     |
|----------------------------------|---------------------------------------------------------|------------------------------------|------------------|-----------------------------|------------------------------|
|                                  |                                                         |                                    | % Fibrous        | % Non-Fibrous               | % Type                       |
| 2X-DW-3A<br>140802648-0021       | drywall joint<br>compound 1972                          | Tan<br>Fibrous<br>Homogeneous      | 1.00% Cellulose  | 97.70% Non-fibrous (other)  | 1.30% Chrysotile             |
| 2X-DW-3B<br>140802648-0022       | drywall joint<br>compound 1972                          |                                    |                  |                             | Stop Positive (Not Analyzed) |
| 2X-DW-3C<br>140802648-0023       | drywall joint<br>compound 1972                          |                                    |                  |                             | Stop Positive (Not Analyzed) |
| C-SF-1B<br>140802648-0024        | vinyl sheet flooring,<br>brown terrazzo look            | Tan<br>Fibrous<br>Homogeneous      | 50.00% Cellulose | 50.00% Non-fibrous (other)  | None Detected                |
| C-SF-1C<br>140802648-0025        | vinyl sheet flooring,<br>brown terrazzo look            | Tan<br>Fibrous<br>Homogeneous      | 50.00% Cellulose | 50.00% Non-fibrous (other)  | None Detected                |
| A CLOSET-SF-2B<br>140802648-0026 | vinyl sheet flooring,<br>gold floral                    | Black<br>Fibrous<br>Homogeneous    | 80.00% Cellulose | 20.00% Non-fibrous (other)  | None Detected                |
| A CLOSET-SF-2C<br>140802648-0027 | vinyl sheet flooring,<br>gold floral                    | Black<br>Fibrous<br>Homogeneous    | 75.00% Cellulose | 25.00% Non-fibrous (other)  | None Detected                |
| G-FT-3B<br>140802648-0028        | 12"x12" vinyl floor tile<br>beige w/beige fleck<br>19A7 | Gray<br>Non-Fibrous<br>Homogeneous |                  | 100.00% Non-fibrous (other) | None Detected                |
| O-FT-3C<br>140802648-0029        | 12"x12" vinyl floor tile<br>beige w/beige fleck<br>19A7 | Gray<br>Non-Fibrous<br>Homogeneous |                  | 100.00% Non-fibrous (other) | None Detected                |
| 2C-SF-4B<br>140802648-0030       | vinyl sheet flooring,<br>yellow embossed                | Various<br>Fibrous<br>Homogeneous  | 70.00% Cellulose | 30.00% Non-fibrous (other)  | None Detected                |

Analyst(s)

Andrew Maciejewski (29)

Rachel Giese (16)

*Rhonda McGee*

Rhonda McGee, Laboratory Manager  
or other approved signatory

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Analysis performed by EMSL Buffalo (NVLAP #200056-0), NY ELAP #11606

PLMPointCount-1



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**Richmond Hill, Ontario, CN L4B3N4**

Fax: (905) 882-8962 Phone: (905) 882-5984  
Project: 70059 Egan

Customer ID: DCSL97  
Customer PO: 70059  
Received: 05/30/08 10:30 AM  
EMSL Order: 140802648  
EMSL Proj:  
Analysis Date: 6/4/2008  
Report Date: 6/4/2008

Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.

| Sample                     | Location                                    | Appearance                      | Non-Asbestos     |                            | Asbestos                     |
|----------------------------|---------------------------------------------|---------------------------------|------------------|----------------------------|------------------------------|
|                            |                                             |                                 | % Fibrous        | % Non-Fibrous              | % Type                       |
| 2C-SF-4C<br>140802648-0031 | vinyl sheet flooring,<br>yellow embossed    | Cream<br>Fibrous<br>Homogeneous | 65.00% Cellulose | 35.00% Non-fibrous (other) | None Detected                |
| 2M-SF-5B<br>140802648-0032 | vinyl sheet flooring,<br>rose and white     | Brown<br>Fibrous<br>Homogeneous | 70.00% Cellulose | 30.00% Non-fibrous (other) | None Detected                |
| 2M-SF-5C<br>140802648-0033 | vinyl sheet flooring,<br>rose and white     | Brown<br>Fibrous<br>Homogeneous | 75.00% Cellulose | 25.00% Non-fibrous (other) | None Detected                |
| 2P-SF-6B<br>140802648-0034 | vinyl sheet flooring,<br>yellow green 1972  |                                 |                  |                            | Stop Positive (Not Analyzed) |
| 2P-SF-6C<br>140802648-0035 | vinyl sheet flooring,<br>yellow green 1972  |                                 |                  |                            | Stop Positive (Not Analyzed) |
| 2S-SF-7B<br>140802648-0036 | vinyl sheet flooring,<br>marble look 1972   |                                 |                  |                            | Stop Positive (Not Analyzed) |
| 2S-SF-7C<br>140802648-0037 | vinyl sheet flooring,<br>marble look 1972   |                                 |                  |                            | Stop Positive (Not Analyzed) |
| 2X-SF-8B<br>140802648-0038 | vinyl sheet flooring,<br>brown 1972         | Tan<br>Fibrous<br>Homogeneous   | 50.00% Cellulose | 50.00% Non-fibrous (other) | None Detected                |
| 2X-SF-8C<br>140802648-0039 | vinyl sheet flooring,<br>brown 1972         | Tan<br>Fibrous<br>Homogeneous   | 55.00% Cellulose | 45.00% Non-fibrous (other) | None Detected                |
| B8-SF-9B<br>140802648-0040 | vinyl sheet flooring,<br>6x8 look top layer | Tan<br>Fibrous<br>Homogeneous   | 50.00% Cellulose | 50.00% Non-fibrous (other) | None Detected                |

Analyst(s)  
Andrew Maciejewski (29)  
Rachel Glese (16)

  
Rhonda McGee, Laboratory Manager  
or other approved signatory

Unless otherwise noted, the results in this report have not been blank corrected. Samples received in good condition unless otherwise noted.  
Analysis performed by EMSL Buffalo (NVLAP #200056-0), NY ELAP #11606



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**121 Granton Drive, Unit 11**  
**Richmond Hill, Ontario, CN L4B3N4**

Fax: (905) 882-8962 Phone: (905) 882-5984  
Project: 70059 Egan

Customer ID: DCSL97  
Customer PO: 70059  
Received: 05/30/08 10:30 AM  
EMSL Order: 140802648  
EMSL Proj:  
Analysis Date: 6/4/2008  
Report Date: 6/4/2008

Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.

| Sample                      | Location                                    | Appearance                      | Non-Asbestos     |                            | Asbestos                     |
|-----------------------------|---------------------------------------------|---------------------------------|------------------|----------------------------|------------------------------|
|                             |                                             |                                 | % Fibrous        | % Non-Fibrous              | % Type                       |
| B8-SF-9C<br>140802648-0041  | vinyl sheet flooring,<br>6x8 look top layer | Cream<br>Fibrous<br>Homogeneous | 45.00% Cellulose | 55.00% Non-fibrous (other) | None Detected                |
| 8B-SF-10B<br>140802648-0042 | vinyl sheet flooring,<br>bottom layer       |                                 |                  |                            | Stop Positive (Not Analyzed) |
| 8B-SF-10C<br>140802648-0043 | vinyl sheet flooring,<br>bottom layer       |                                 |                  |                            | Stop Positive (Not Analyzed) |
| ROOF-1B<br>140802648-0044   | brown asphalt shingle<br>1957               | Black<br>Fibrous<br>Homogeneous | 40.00% Cellulose | 60.00% Non-fibrous (other) | None Detected                |
| ROOF-1C<br>140802648-0045   | brown asphalt shingle<br>1972               | Black<br>Fibrous<br>Homogeneous | 40.00% Cellulose | 60.00% Non-fibrous (other) | None Detected                |

Analytical Sensitivity <0.5% Asbestos.

Analyst(s)  
Andrew Maciejewski (29)  
Rachel Glese (16)

  
Rhonda McGee, Laboratory Manager  
or other approved signatory

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Analysis performed by EMSL Buffalo (NVLAP #200056-0), NY ELAP #11606



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Fax: (905) 882-8962 Phone: (905) 882-5984  
Project: 70059 Egan

Customer ID: DCSL97  
Customer PO: 70059  
Received: 05/30/08 10:30 AM  
EMSL Order: 140802648  
EMSL Proj:  
Analysis Date: 6/3/2008  
Report Date: 6/4/2008

**Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1**

| SAMPLE ID                        | DESCRIPTION                                   | APPEARANCE   | % MATRIX MATERIAL | % NON-ASBESTOS FIBERS | ASBESTOS TYPES       |
|----------------------------------|-----------------------------------------------|--------------|-------------------|-----------------------|----------------------|
| C-SF-1A<br>140802648-0054        | vinyl sheet flooring, brown terrazzo look     | Various      | 100.0             | None                  | No Asbestos Detected |
| A CLOSET-SF-2A<br>140802648-0055 | vinyl sheet flooring, gold floral             | Various      | 100.0             | None                  | No Asbestos Detected |
| G-FT-3A<br>140802648-0056        | 12"x12" vinyl floor tile, beige w/beige fleck | Tan          | 100.0             | None                  | No Asbestos Detected |
| 2C-SF-4A<br>140802648-0057       | vinyl sheet flooring, yellow embossed         | White/Yellow | 100.0             | None                  | No Asbestos Detected |
| 2M-SF-5A<br>140802648-0058       | vinyl sheet flooring, rose and white          | Brown/Tan    | 100.0             | None                  | No Asbestos Detected |
| 2P-SF-6A<br>140802648-0059       | vinyl sheet flooring, yellow green 1972       | White/Green  | 84.1              | None                  | 15.9% Chrysotile     |
| 2S-SF-7A<br>140802648-0060       | vinyl sheet flooring, marble look 1972        | Various      | 88.3              | None                  | 11.8% Chrysotile     |
| 2X-SF-8A<br>140802648-0061       | vinyl sheet flooring, brown 1972              | Pink/Green   | 100.0             | None                  | No Asbestos Detected |

Analyst(s)  
Rhonda McGee (11)

*Rhonda McGee*  
Rhonda McGee, Laboratory Manager  
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted.  
Analysis performed by EMSL Buffalo (NVLAP #200056-0), NY ELAP #11606



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Attn: **Jean Daigle**  
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**Richmond Hill, Ontario, CN L4B3N4**

Customer ID: DCSL97  
Customer PO: 70059  
Received: 05/30/08 10:30 AM  
EMSL Order: 140802648

Fax: (905) 882-8962 Phone: (905) 882-5984  
Project: 70059 Egan

EMSL Proj:  
Analysis Date: 6/3/2008  
Report Date: 6/4/2008

**Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1**

| SAMPLE ID                   | DESCRIPTION                              | APPEARANCE  | % MATRIX MATERIAL | % NON-ASBESTOS FIBERS | ASBESTOS TYPES       |
|-----------------------------|------------------------------------------|-------------|-------------------|-----------------------|----------------------|
| B8-SF-9A<br>140802648-0062  | vinyl sheet flooring, 6x8 look top layer | Cream       | 100.0             | None                  | No Asbestos Detected |
| B8-SF-10A<br>140802648-0063 | vinyl sheet flooring, bottom layer       | Cream/Tan   | 95.7              | None                  | 4.3% Chrysotile      |
| ROOF-1A<br>140802648-0064   | brown asphalt shingle 1957               | Brown/Black | 100.0             | None                  | No Asbestos Detected |

Analytical Sensitivity <0.5% Asbestos.

Analyst(s)

Rhonda McGee (11)

Rhonda McGee, Laboratory Manager  
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted.  
Analysis performed by EMSL Buffalo (NVLAP #200056-0), NY ELAP #11606



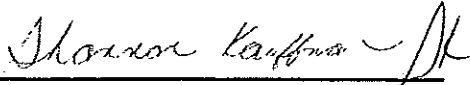
EMSL Analytical  
3 Cooper St., Westmont, NJ 08108  
Phone: (856) 858-4800 Fax: (856) 858-9551 Email: westmontleadlab@emsl.com

Attn: Jean Daigle  
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Richmond Hill, Ontario, CN L4B3N4  
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Project: Egan 70059

Customer ID: DCSL97  
Customer PO: 70059  
Received: 05/30/08 9:59 AM  
EMSL Order: 200808363  
EMSL Proj:  
Report Date: 6/5/2008

Lead in Paint Chips by Flame AAS (SW 846 3050B and 7420\*)

| Client Sample Description | Lab ID               | Collected | Analyzed | Lead Concentration |
|---------------------------|----------------------|-----------|----------|--------------------|
| Paint 1                   | 0001                 |           | 6/5/2008 | <0.01 % wt         |
|                           | Room D west wall     |           |          |                    |
| Paint 2                   | 0002                 |           | 6/5/2008 | 0.03 % wt          |
|                           | Room 2P-North wall   |           |          |                    |
| Paint 3                   | 0003                 |           | 6/5/2008 | 1.4 % wt           |
|                           | Exterior soffit 1957 |           |          |                    |

  
Shannon Kauffman, Lead Lab Supervisor  
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report 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.

\* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

ACCREDITATIONS: NJ-NELAP: 04653, AIHA Environmental Lead Laboratory Approval Program: 100194

## **APPENDIX B**

### **SUMMARY OF ASBESTOS, LEAD AND SILICA WORK CLASSIFICATIONS**

**TABLE B-1**  
**SUMMARY OF CLASSIFICATION OF**  
**TYPE 1, 2 AND 3 OPERATIONS**  
**(Ont. Reg. 278/05)**

**Type 1 Operations**

- removing less than 7.5 m<sup>2</sup> asbestos-containing ceiling tiles;
- removing non-friable asbestos-containing material other than ceiling tiles, if the material is removed without being broken, cut, drilled, abraded, ground, sanded or vibrated;
- breaking, cutting, drilling, abrading, grinding, sanding or vibrating non-friable asbestos-containing material if the material is wetted and the work is done only using non-powered, hand-held tools; and
- removing less than 1 m<sup>2</sup> of drywall in which asbestos-containing joint compounds have been used.

**Type 2 Operations**

- 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;
- removal of one square metre or less of friable asbestos-containing material;
- enclosing friable asbestos-containing material;
- applying tape or a sealant or other covering to asbestos-containing pipe or boiler insulation;
- removing 7.5 m<sup>2</sup> or more asbestos-containing ceiling tiles (if removed without being broken, cut, drilled, abraded, ground, sanded or vibrated);
- breaking, cutting, drilling, abrading, grinding, sanding or vibrating non-friable asbestos-containing material if the material is not wetted and the work is done only using non-powered, hand-held tools;
- removal of one square metre or more of drywall in which asbestos-containing joint compounds have been used;
- breaking, cutting, drilling, abrading, grinding, sanding or vibrating non-friable asbestos-containing material if the work is done using power tools that are attached to dust-collecting devices equipped with HEPA filters;
- cleaning or removing filters used in air-handling equipment in a building that has asbestos-containing sprayed fireproofing.

**TABLE B-1 (Continued)**  
**SUMMARY OF CLASSIFICATION OF**  
**TYPE 1, 2 AND 3 OPERATIONS**  
**(Ont. Reg. 278/05)**

**Type 3 Operations**

- removal of more than one square metre of friable asbestos-containing material;
- spray application of a sealant to friable asbestos-containing material;
- cleaning or removing air-handling equipment, including rigid ducting but not including filters, in a building that has sprayed asbestos-containing fireproofing;
- repairing or demolishing a kiln, metallurgical furnace or similar structure that is made in part of asbestos-containing refractory materials;
- breaking, cutting, drilling, abrading, grinding, sanding or vibrating non-friable asbestos-containing materials, if the work is done using power tools that are not attached to dust-collecting devices equipped with HEPA filters.

**TABLE B-2**  
**SUMMARY OF CLASSIFICATION OF**  
**LEAD-CONTAINING CONSTRUCTION TASKS**

| Type 1 Operations       | Type 2 Operations               |                                 | Type 3 Operations               |                         |
|-------------------------|---------------------------------|---------------------------------|---------------------------------|-------------------------|
|                         | Type 2a                         | Type 2b                         | Type 3a                         | Type 3b                 |
| <0.05 mg/m <sup>3</sup> | >0.05 to 0.50 mg/m <sup>3</sup> | >0.50 to 1.25 mg/m <sup>3</sup> | >1.25 to 2.50 mg/m <sup>3</sup> | >2.50 mg/m <sup>3</sup> |

**TYPE 1 OPERATIONS**

- application of lead-containing coatings with a brush or roller;
- removal of lead-containing coatings with a chemical gel or paste and fibrous laminated cloth wrap;
- removal of lead-containing coatings or materials using a power tool that has an effective dust collection system equipped with a HEPA filter;
- installation or removal of lead-containing sheet metal;
- installation or removal of lead-containing packing, babbitt or similar material;
- removal of lead-containing coatings or materials using non-powered hand tools, other than manual scraping or sanding;
- soldering.

**TYPE 2 OPERATIONS**

**Type 2a Operations**

- welding or high temperature cutting of lead-containing coatings or materials outdoors. This operation is considered a Type 2a operation only if it is short-term, not repeated, and if the material has been stripped prior to welding or high temperature cutting. Otherwise it will be considered a Type 3a operation;
- removal of lead-containing coatings or materials by scraping or sanding using non-powered hand tools;
- manual demolition of lead-painted plaster walls or building components by striking a wall with a sledgehammer or similar tool.

**Type 2b Operations**

- spray application of lead-containing coatings.

**TABLE B-2 (Continued)**  
**SUMMARY OF CLASSIFICATION OF**  
**LEAD-CONTAINING CONSTRUCTION TASKS**

**TYPE 3 OPERATIONS**

**Type 3a Operations**

- welding or high temperature cutting of lead-containing coatings or materials indoors or in a confined space;
- burning of a surface containing lead;
- dry removal of lead-containing mortar using an electric or pneumatic cutting device;
- removal of lead-containing coatings or materials using power tools without an effective dust collection system equipped with a HEPA filter;
- removal or repair of a ventilation system used for controlling lead exposure;
- demolition or cleanup of a facility where lead-containing products were manufactured;
- an operation that may expose a worker to lead dust, fume or mist that is not a Type 1, Type 2, or Type 3b operation

**Type 3b Operations**

- abrasive blasting of lead-containing coatings or materials;
- removal of lead-containing dust using an air mist extraction system.

**TABLE B-3**  
**SILICA-CONTAINING CONSTRUCTION TASKS**  
**MOL GUIDELINE, SILICA ON CONSTRUCTION PROJECTS, SEPTEMBER 2004**

|                            | Type 1 Operations               | Type 2 Operations               | Type 3 Operations      |
|----------------------------|---------------------------------|---------------------------------|------------------------|
| Cristobalite and Tridymite | >0.05 to 0.50 mg/m <sup>3</sup> | >0.50 to 2.50 mg/m <sup>3</sup> | >2.5 mg/m <sup>3</sup> |
| Quartz and Tripoli         | >0.10 to 1.0 mg/m <sup>3</sup>  | >1.0 to 5.0 mg/m <sup>3</sup>   | >5.0 mg/m <sup>3</sup> |

**TYPE 1 OPERATIONS**

- The drilling of holes in concrete or rock that is not part of a tunnelling operation or road construction.
- Milling of asphalt from concrete highway pavement.
- Charging mixers and hoppers with silica sand (sand consisting of at least 95 per cent silica) or silica flour (finely ground sand consisting of at least 95 per cent 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.

**TYPE 2 OPERATIONS**

- Removal of silica containing refractory materials with a jackhammer.
- The drilling of holes in concrete or rock that is part of a tunnelling 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.
- Tunnelling (operation of the tunnel boring machine, tunnel drilling, tunnel mesh installation).
- Tuckpoint and surface grinding.
- Dry mortar removal with an electric or pneumatic cutting device.
- Dry method dust cleanup from abrasive blasting operations.
- 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.

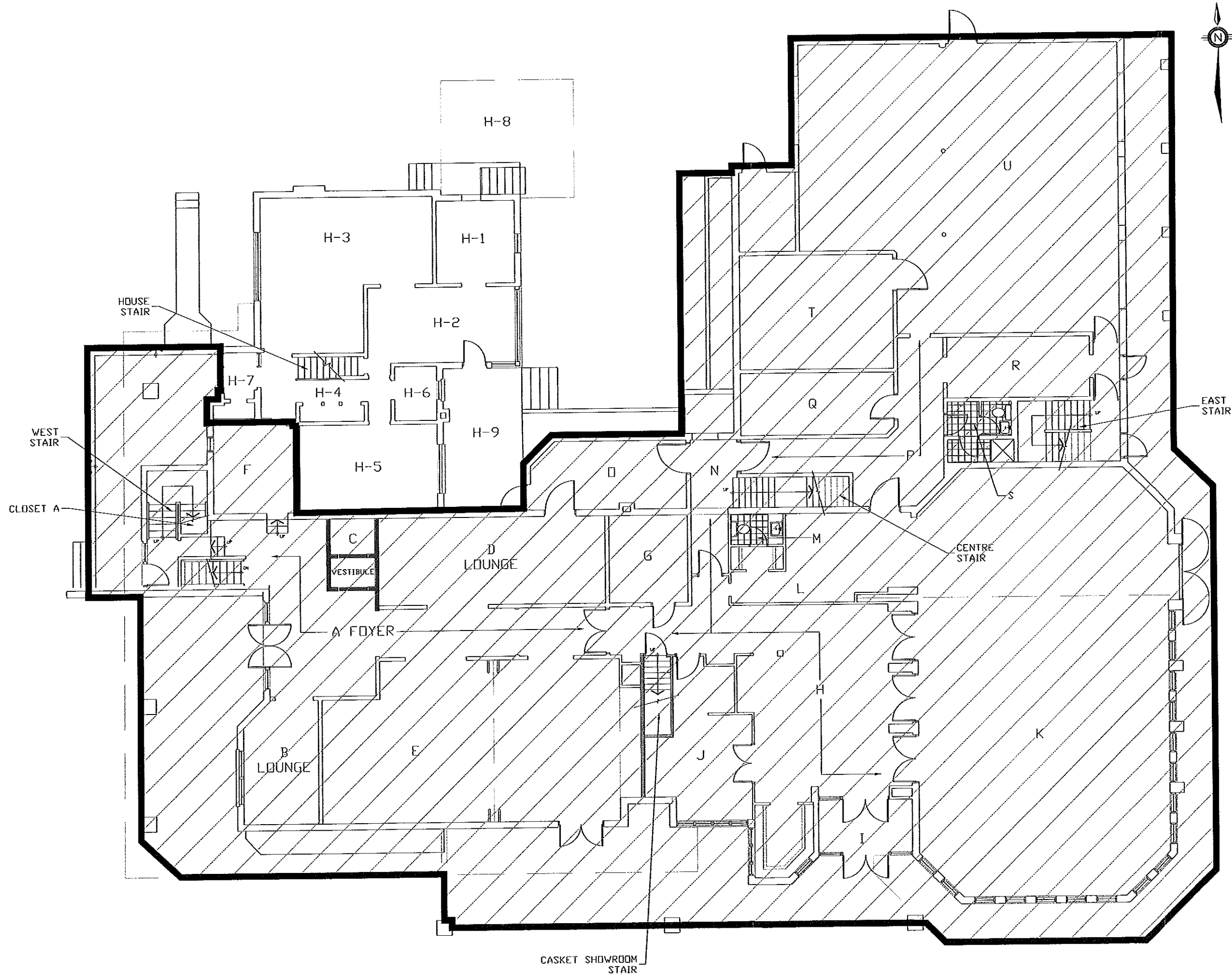
**TABLE B-3**  
**SILICA-CONTAINING CONSTRUCTION TASKS**  
**MOL GUIDELINE, SILICA ON CONSTRUCTION PROJECTS, SEPTEMBER 2004**  
**Cont'd.**

**TYPE 3 OPERATIONS**

- Abrasive blasting with an abrasive that contains  $\geq 1$  per cent silica.
- Abrasive blasting of a material that contains  $\geq 1$  per cent silica.

## **APPENDIX C**

### **FLOOR PLANS**



LEGEND:

- STUDY AREA
- ASBESTOS-CONTAINING DRYWALL JOINT COMPOUND ON WALLS
- SUSPECT ASBESTOS-CONTAINING VERMICULITE INSIDE WALL CAVITIES

NOTES:

REVISIONS:

| No. | Date: | By: | Revisions |
|-----|-------|-----|-----------|
|     |       |     |           |
|     |       |     |           |
|     |       |     |           |

REFERENCE:

GEORGE ROBB ARCHITECT  
PROJECT No.: 0660, DWG 2

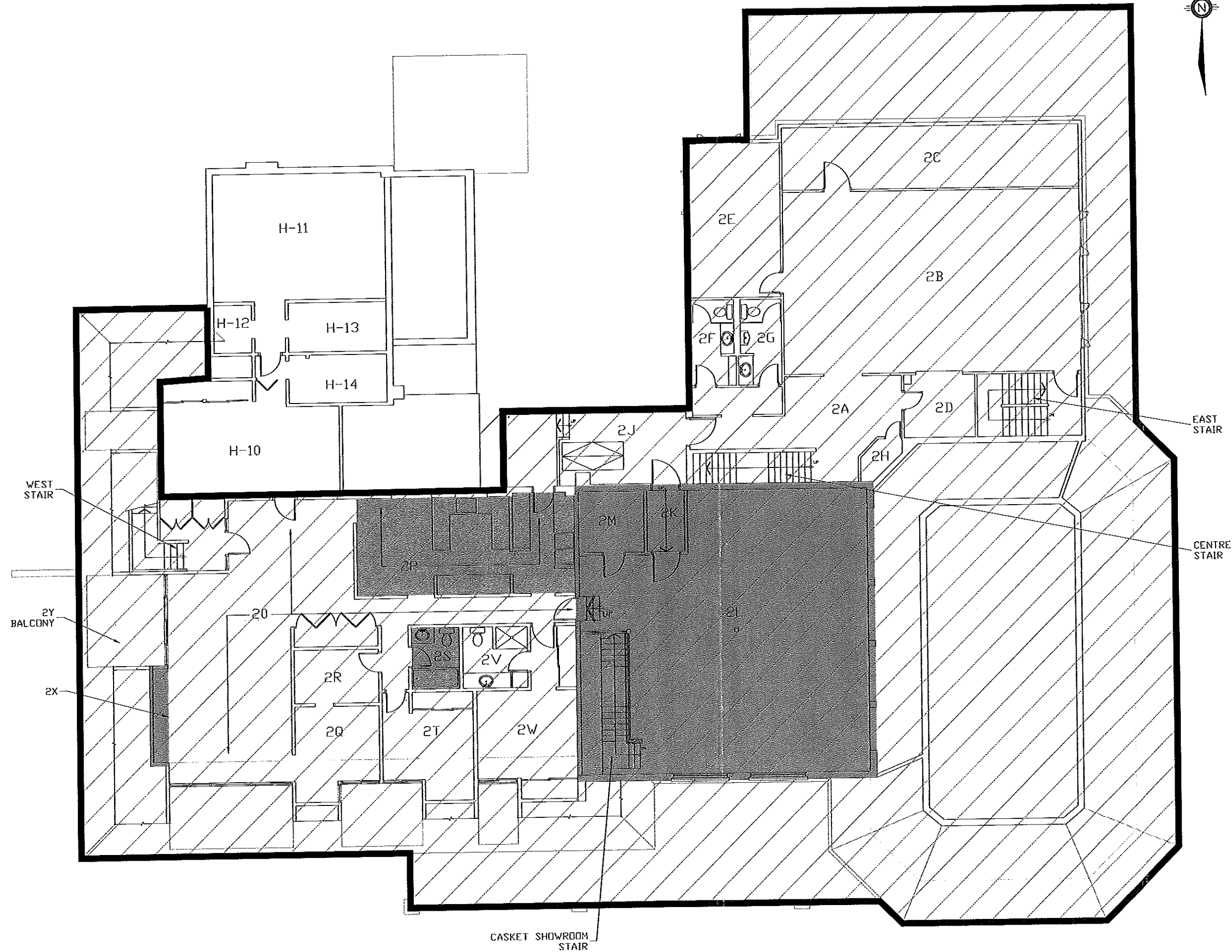
**DCS**  
DECOMMISSIONING CONSULTING SERVICES LIMITED  
GEORGE ROBB ARCHITECT

LOCATIONS OF ASBESTOS-CONTAINING MATERIALS

EGAN FUNERAL HOME RENOVATION  
203 QUEEN STREET S, BOLTON, ONTARIO

GROUND FLOOR PLAN

|                  |                   |                     |
|------------------|-------------------|---------------------|
| Drawn By: I.S.Z. | Approved By: P.S. | Project No: 70059   |
| Date: JULY 2008  | Scale: N.T.S.     | Drawing No: 70059-1 |



#### LEGEND:

|  |                                                                  |
|--|------------------------------------------------------------------|
|  | STUDY AREA                                                       |
|  | ASBESTOS-CONTAINING DRYWALL JOINT COMPOUND ON WALLS AND CEILINGS |
|  | ASBESTOS-CONTAINING VINYL SHEET FLOORING                         |

#### NOTES:

#### REVISIONS:

| No. | Date: | By: | Revisions |
|-----|-------|-----|-----------|
|     |       |     |           |
|     |       |     |           |
|     |       |     |           |

#### REFERENCE:

GEORGE ROBB ARCHITECT  
PROJECT No.: 0660, DWG 3

**DCS**  
DECOMMISSIONING CONSULTING SERVICES LIMITED

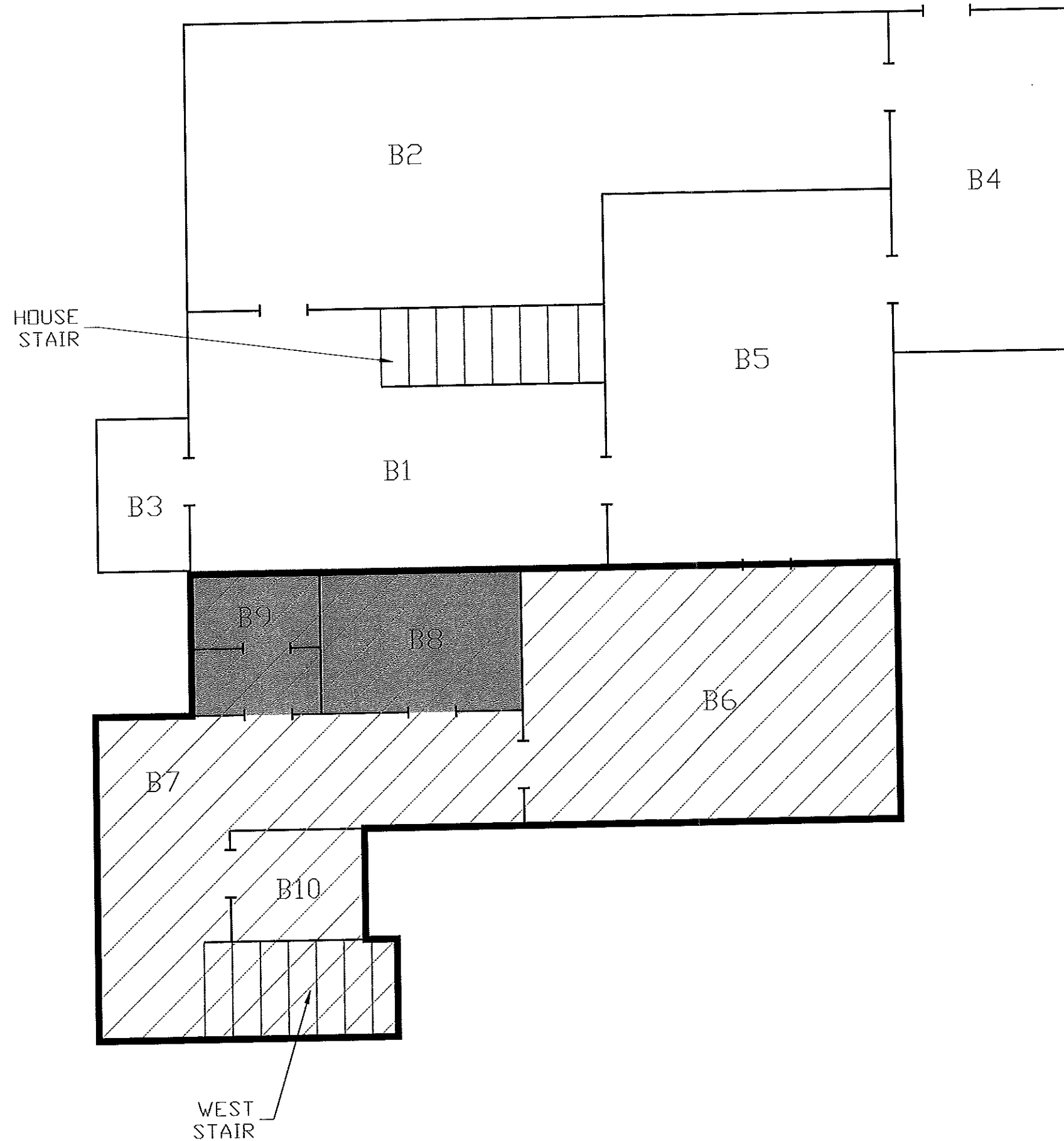
GEORGE ROBB ARCHITECT

#### LOCATIONS OF ASBESTOS-CONTAINING MATERIALS

EGAN FUNERAL HOME RENOVATION  
203 QUEEN STREET S, BOLTON, ONTARIO

#### UPPER FLOOR PLAN

|                  |                         |                     |
|------------------|-------------------------|---------------------|
| Drawn By: I.S.Z. | Approved By: J.D.W.J.C. | Project No: 70059   |
| Date: JUNE 2008  | Scale: N.T.S            | Drawing No: 70059-2 |



**LEGEND:**



STUDY AREA



ASBESTOS-CONTAINING VINYL SHEET  
FLOORING (BOTTOM LAYER ONLY)

**NOTES:**

**REVISIONS:**

| No. | Date: | By: | Revisions |
|-----|-------|-----|-----------|
|     |       |     |           |
|     |       |     |           |
|     |       |     |           |

**REFERENCE:**

**DCS**

DECOMMISSIONING CONSULTING SERVICES LIMITED

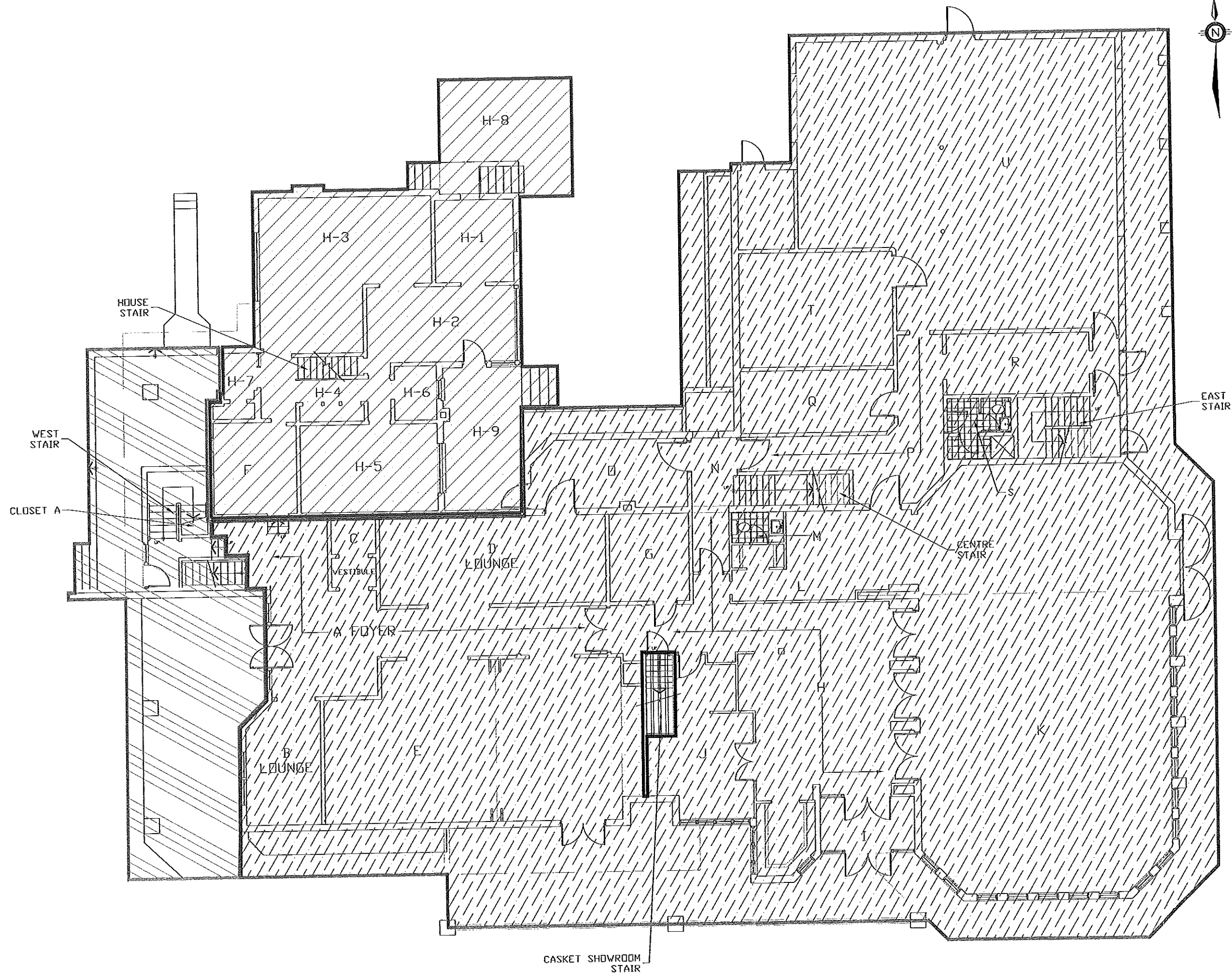
GEORGE ROBB ARCHITECT

**LOCATIONS OF ASBESTOS-CONTAINING  
MATERIALS**

EGAN FUNERAL HOME RENOVATION  
203 QUEEN STREET S, BOLTON, ONTARIO

**BASEMENT FLOOR PLAN**

|                  |                         |                     |
|------------------|-------------------------|---------------------|
| Drawn By: I.S.Z. | Approved By: J.D.W.J.C. | Project No: 70059   |
| Date: JUNE 2008  | Scale: N.T.S            | Drawing No: 70059-3 |



**LEGEND:**

|  |                              |
|--|------------------------------|
|  | 1955                         |
|  | 1965                         |
|  | 1972                         |
|  | 1987 ADDITION AND RENOVATION |

**NOTES:**

**REVISIONS:**

| No. | Date: | By: | Revisions |
|-----|-------|-----|-----------|
|     |       |     |           |
|     |       |     |           |
|     |       |     |           |

**REFERENCE:**

GEORGE ROBB ARCHITECT  
PROJECT No.: 0660, DWG 2



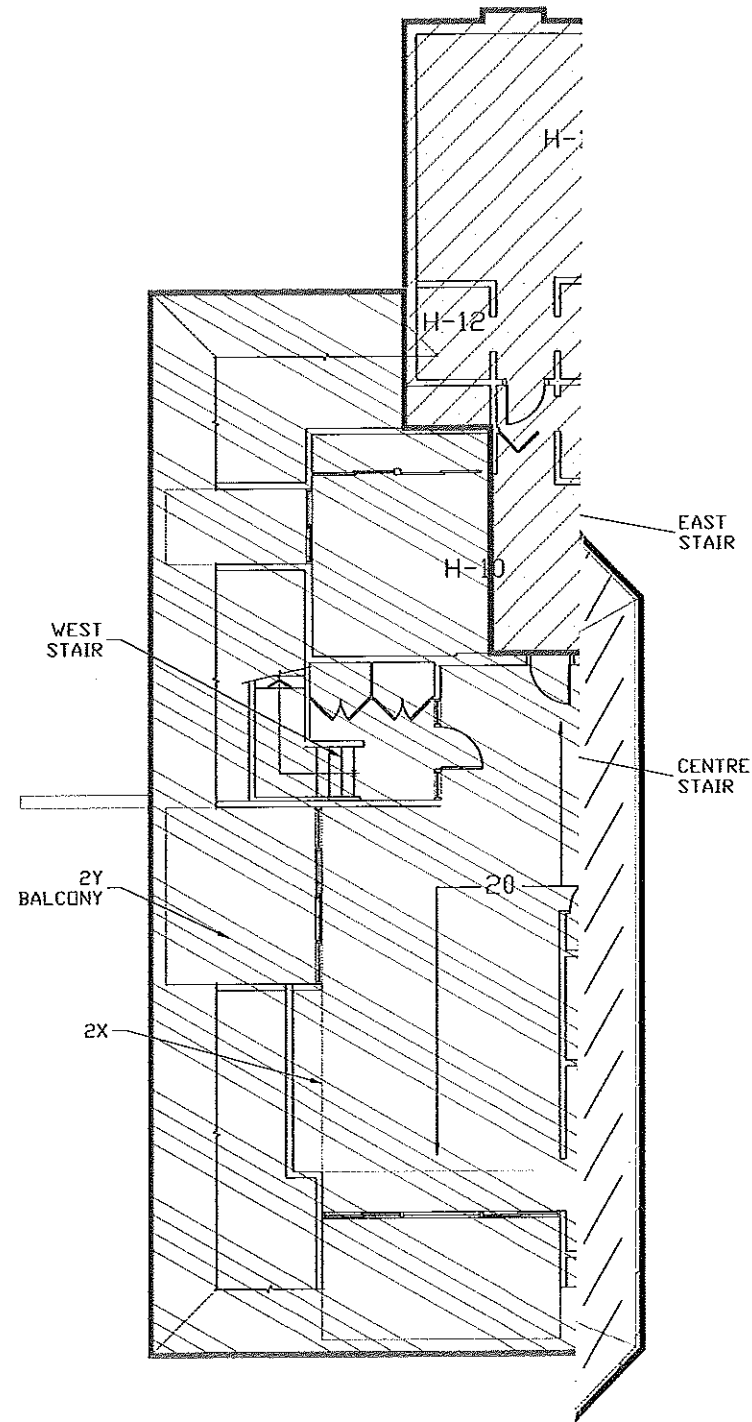
GEORGE ROBB ARCHITECT

**AGE OF CONSTRUCTION**

EGAN FUNERAL HOME RENOVATION  
203 QUEEN STREET S, BOLTON, ONTARIO

**GROUND FLOOR PLAN**

|                  |                   |                     |
|------------------|-------------------|---------------------|
| Drawn By: J.S.Z. | Approved By: P.S. | Project No: 70059   |
| Date: JULY 2008  | Scale: N.T.S.     | Drawing No: 70059.4 |



#### LEGEND:

|  |                              |
|--|------------------------------|
|  | 1955                         |
|  | 1965                         |
|  | 1972                         |
|  | 1987 ADDITION AND RENOVATION |

#### NOTES:

#### REVISIONS:

| No. | Date: | By: | Revisions |
|-----|-------|-----|-----------|
|     |       |     |           |
|     |       |     |           |
|     |       |     |           |

#### REFERENCE:

GEORGE ROBB ARCHITECT  
PROJECT No.: 0660, DWG 3

**DCS**  
DECOMMISSIONING CONSULTING SERVICES LIMITED

GEORGE ROBB ARCHITECT

AGE OF CONSTRUCTION

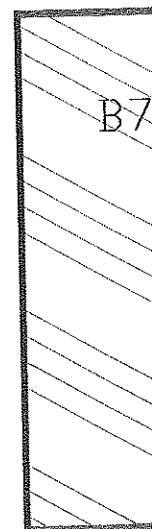
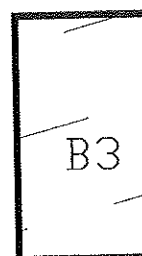
EGAN FUNERAL HOME RENOVATION  
203 QUEEN STREET S, BOLTON, ONTARIO

UPPER FLOOR PLAN

|                  |                         |                     |
|------------------|-------------------------|---------------------|
| Drawn By: J.S.Z. | Approved By: J.D.W.J.C. | Project No: 70059   |
| Date: JUNE 2008  | Scale: N.T.S            | Drawing No: 70059-5 |



HOUSE  
STAIR



**LEGEND:**



1955  
1972

**NOTES:**

**REVISIONS:**

| No. | Date: | By: | Revisions |
|-----|-------|-----|-----------|
|     |       |     |           |
|     |       |     |           |
|     |       |     |           |

**REFERENCE:**



GEORGE ROBB ARCHITECT

AGE OF CONSTRUCTION

EGAN FUNERAL HOME RENOVATION  
203 QUEEN STREET S, BOLTON, ONTARIO

BASEMENT FLOOR PLAN

|                  |                         |                     |
|------------------|-------------------------|---------------------|
| Drawn By: I.S.Z. | Approved By: J.D.W.J.C. | Project No: 70059   |
| Date: JUNE 2008  | Scale: N.T.S            | Drawing No: 70059-6 |

## **APPENDIX D**

### **SUMMARY OF OBSERVATIONS AND SUSPECT ASBESTOS-CONTAINING MATERIAL OUTSIDE OF THE STUDY AREA**

## APPENDIX D

### SUMMARY OF SUSPECT ASBESTOS-CONTAINING MATERIALS OUTSIDE OF THE STUDY AREA

| LOCATION                          | NO SUSPECT ASBESTOS-CONTAINING MATERIALS OBSERVED | SUSPECT ASBESTOS-CONTAINING MATERIALS OBSERVED         |
|-----------------------------------|---------------------------------------------------|--------------------------------------------------------|
| B-1                               | √                                                 |                                                        |
| B-2                               | √                                                 |                                                        |
| B-3                               |                                                   | 9" x 9" vinyl floor tile                               |
| B-4                               |                                                   | 9" x 9" vinyl floor tile                               |
| B-5                               | √                                                 |                                                        |
| H-1                               |                                                   | Plaster walls and ceilings<br>Vinyl sheet flooring     |
| H-2                               |                                                   | Plaster walls and ceilings<br>Vinyl sheet flooring     |
| H-3                               |                                                   | Plaster walls and ceilings                             |
| H-4                               |                                                   | Plaster walls and ceilings                             |
| H-5                               |                                                   | Plaster walls and ceilings                             |
| H-6                               |                                                   | Plaster walls and ceilings<br>Vinyl sheet flooring     |
| H-7                               |                                                   | Plaster walls and ceilings                             |
| H-8                               | √                                                 |                                                        |
| H-9                               | √                                                 |                                                        |
| H-10                              |                                                   | Plaster walls and ceilings                             |
| H-11                              |                                                   | Plaster walls and ceilings                             |
| H-12                              |                                                   | Plaster walls and ceilings<br>9" x 9" vinyl floor tile |
| H-13                              |                                                   | Plaster walls and ceilings<br>9" x 9" vinyl floor tile |
| H-14                              |                                                   | Plaster walls and ceilings<br>vinyl sheet flooring     |
| <b>House (1957)</b>               |                                                   |                                                        |
| 2 <sup>nd</sup> Floor<br>Exterior |                                                   | Exterior shingles assumed asbestos cement              |



121 Granton Drive  
Unit 11  
Richmond Hill, Ontario  
Canada L4B 3N4

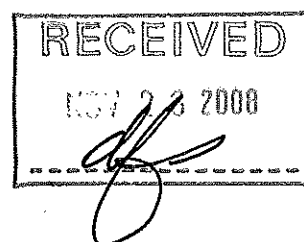
## DECOMMISSIONING CONSULTING SERVICES LIMITED

Tel: (905) 882-5984  
Fax: (905) 882-8962  
E-mail: [engineers@dcsltd.ca](mailto:engineers@dcsltd.ca)  
Web Site: <http://www.dcsltd.ca>

70059-1

20 November 2008

George Robb Architect  
4800 Dundas Street West, Ste. 201  
Toronto, ON  
M9A 1B1



Attention: Mr. Don Scott

Re: **Roof and Exterior Upgrades Project**  
**Egan Funeral Home**  
**203 Queen Street South, Bolton, Ontario**

Dear Sirs:

Decommissioning Consulting Services Limited (DCS) was retained by George Robb Architect to perform inspections and testing at the Egan Funeral Home in order to determine whether roofing materials and cementitious shingle siding are asbestos-containing materials. It is our understanding that the roofing materials and cementitious shingle siding are to be replaced or modified.

Cairns Roofing Limited was retained by Egan Funeral Home to cut roof cores for sample collection purposes and to repair the roof at the sample locations. Sampling was performed on 6 November 2008.

The findings of this testing program are intended to supplement the information provided in the Designated Substance Survey report prepared by DCS for the Egan Funeral Home dated 28 June 2008.

### 1.0 INVESTIGATION FINDINGS

Six sample locations were selected by George Robb Architect. Three samples of roofing materials were collected at each of the six locations, in compliance with the requirements of O. Reg. 278/05 *Regulation Respecting Asbestos on Construction Projects and in Buildings and Repair Operations*. Bulk samples of roofing materials and cementitious shingle siding were submitted to the EMSL Analytical, Inc. laboratory (EMSL) for analysis of asbestos content. Asbestos was not detected in seventeen of the eighteen roofing samples analyzed. One roofing sample had an asbestos content of <0.25% chrysotile asbestos which is less than the 0.5% cut-off

limit for classification of asbestos-containing material. Asbestos was detected in the cementitious shingle siding material. The laboratory report is provided in Attachment A. Drawings showing sample locations are provided in Attachment B.

A summary of inspection observations is presented in Table 1.1.

## **2.0 SUMMARY**

In summary, no asbestos-containing roofing materials were found to be present based on the testing carried out. Asbestos was found to be present in the cementitious shingle siding. These asbestos cement shingles are non-friable products. Removal of non-friable asbestos-containing materials is classified as a Type 1 operation if the material is removed without being broken, cut, drilled or abraded. Breaking, cutting, drilling, abrading, grinding or sanding of non-friable materials is also a Type 1 operation if the material is wetted to control the spread of dust or fibres and if the work is done only by means of non-powered hand-held tools. If the above-referenced work is performed with a power tool that is attached to a dust-collecting device equipped with a HEPA filter, then the work is classified as a Type 2 operation. If the power tool is not attached to a dust-collection device equipped with a HEPA filter, the work is Type 3.

## **3.0 CLOSURE**

We trust that the enclosed is suitable for your current purposes. Please call if you have any questions.

Yours very truly,

**DECOMMISSIONING CONSULTING SERVICES LIMITED**



**Jean Daigle**  
Environmental Specialist



**Wayne J. Cormack, M.Eng., CIH**  
Vice President

ls

Enc.

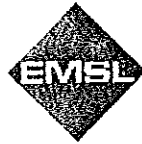
**TABLE 1.1**

**SUMMARY OF INSPECTION OBSERVATIONS**

| LOCATION | INVESTIGATION FINDINGS                                                                                                                                                                                                                                                               |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1        | 1998 roofing over Lounge. Roofing materials comprise pea stone gravel, multi-ply asphaltic felts, phenolic foam insulation on wood deck. Asbestos not detected in roofing materials tested by DCS.                                                                                   |
| 2        | Roofing over Casket Display Room. Roofing materials comprise pea stone gravel, multi-ply asphaltic felts, wood fibre insulation (Tentest) on wood deck. Asbestos not detected in roofing materials tested by DCS.                                                                    |
| 3        | Roofing over Apartment area. Roofing materials comprise pea stone gravel, multi-ply asphaltic felts, wood fibre insulation (Tentest), white expanded polystyrene foam on wood deck. Roofing materials tested by DCS not found to be "Asbestos-Containing Material" (<0.5% asbestos). |
| 4        | Roofing over south facing canopy. Roofing materials comprise pea stone gravel, multi-ply asphaltic felts, wood fibre insulation (Tentest) on wood deck. Asbestos not detected in roofing materials tested by DCS.                                                                    |
| 5        | Roofing over car port. Roofing materials comprise pea stone gravel, multi-ply asphaltic felts, on wood deck. Asbestos not detected in roofing materials tested by DCS.                                                                                                               |
| 6        | Concealed roof under apartment floor. Roofing materials comprise pea stone gravel, multi-ply asphaltic felts, wood fibre insulation (Tentest) on wood deck. Asbestos not detected in roofing materials tested by DCS.                                                                |
| 7        | Cementitious shingle siding on rear dormer was found to be asbestos-containing material (48.0% chrysotile asbestos).                                                                                                                                                                 |

Note: Sample locations are shown on the drawings provided in Attachment B.

**ATTACHMENT A**  
**LABORATORY REPORT**



EMSL Analytical, Inc.

490 Rowley Road, Depew, NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: [buffalolab@emsl.com](mailto:buffalolab@emsl.com)

Attn: **Jean Daigle**  
**Decommissioning Consulting Services Ltd.**  
**121 Granton Drive, Unit 11**  
**Richmond Hill, Ontario, CN L4B3N4**

Fax: (905) 882-8962 Phone: (905) 882-5984  
Project: 70059-1/ Egan Roof

Customer ID: DCSL97  
Customer PO: 70059-1  
Received: 11/07/08 10:26 AM  
EMSL Order: 140806016

EMSL Proj:  
Analysis Date: 11/11/2008  
Report Date: 11/12/2008

**Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.**

| Sample               | Location                       | Appearance                          | Non-Asbestos     |                             | Asbestos      |
|----------------------|--------------------------------|-------------------------------------|------------------|-----------------------------|---------------|
|                      |                                |                                     | % Fibrous        | % Non-Fibrous               | % Type        |
| 1B<br>140806016-0001 | roof felts 1988 roof lounge    | Black<br>Fibrous<br>Homogeneous     | 80.00% Cellulose | 20.00% Non-fibrous (other)  | None Detected |
| 1C<br>140806016-0002 | roof felts 1988 roof lounge    | Black<br>Fibrous<br>Homogeneous     | 30.00% Cellulose | 70.00% Non-fibrous (other)  | None Detected |
| 2B<br>140806016-0003 | roof felts casket display room | Black<br>Non-Fibrous<br>Homogeneous |                  | 100.00% Non-fibrous (other) | None Detected |
| 2C<br>140806016-0004 | roof felts casket display room | Black<br>Fibrous<br>Homogeneous     | 30.00% Cellulose | 70.00% Non-fibrous (other)  | None Detected |
| 3B<br>140806016-0005 | roof felts apartment roof      | Black<br>Fibrous<br>Homogeneous     | 80.00% Cellulose | 20.00% Non-fibrous (other)  | None Detected |
| 3C<br>140806016-0006 | roof felts apartment roof      | Black<br>Fibrous<br>Homogeneous     | 40.00% Cellulose | 60.00% Non-fibrous (other)  | None Detected |
| 4B<br>140806016-0007 | roof felts South facing canopy | Black<br>Fibrous<br>Homogeneous     | 90.00% Cellulose | 10.00% Non-fibrous (other)  | None Detected |
| 4C<br>140806016-0008 | roof felts South facing canopy | Black<br>Fibrous<br>Homogeneous     | 30.00% Cellulose | 70.00% Non-fibrous (other)  | None Detected |
| 5B<br>140806016-0009 | roof felts back of house       | Black<br>Fibrous<br>Homogeneous     | 95.00% Cellulose | 5.00% Non-fibrous (other)   | None Detected |
| 5C<br>140806016-0010 | roof felts back of house       | Black<br>Fibrous<br>Homogeneous     | 30.00% Cellulose | 70.00% Non-fibrous (other)  | None Detected |

Analyst(s)

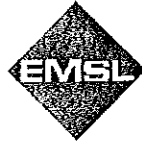
Rachel Giese (6)  
Tom Hanes (6)

*Rhonda McGee*

Rhonda McGee, Laboratory Manager  
or other approved signatory

Unless otherwise noted, the results in this report have not been blank corrected. Samples received in good condition unless otherwise noted.  
Analysis performed by EMSL Buffalo (NVLAP #200056-0), NY ELAP #11606

PLMPointCount-1



EMSL Analytical, Inc.

490 Rowley Road, Depew, NY 14043

Phone: (716) 651-0030 Fax: (716) 651-0394 Email: [buffalolab@emsl.com](mailto:buffalolab@emsl.com)

Attn: **Jean Daigle**  
**Decommissioning Consulting Services Ltd.**  
**121 Granton Drive, Unit 11**  
**Richmond Hill, Ontario, CN L4B3N4**

Fax: (905) 882-8962 Phone: (905) 882-5984  
Project: 70059-1/ Egan Roof

Customer ID: DCSL97  
Customer PO: 70059-1  
Received: 11/07/08 10:26 AM  
EMSL Order: 140806016

EMSL Proj:  
Analysis Date: 11/11/2008  
Report Date: 11/12/2008

**Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.**

| Sample               | Location                  | Appearance                    | Non-Asbestos     |                             | Asbestos                     |
|----------------------|---------------------------|-------------------------------|------------------|-----------------------------|------------------------------|
|                      |                           |                               | % Fibrous        | % Non-Fibrous               | % Type                       |
| 6B<br>140806016-0011 | roof felts concealed roof | Black Fibrous Homogeneous     | 50.00% Cellulose | 50.00% Non-fibrous (other)  | None Detected                |
| 6C<br>140806016-0012 | roof felts concealed roof | Black Non-Fibrous Homogeneous |                  | 100.00% Non-fibrous (other) | None Detected                |
| 7B<br>140806016-0013 | asbestos shingle          |                               |                  |                             | Stop Positive (Not Analyzed) |
| 7C<br>140806016-0014 | asbestos shingle          |                               |                  |                             | Stop Positive (Not Analyzed) |

Analytical Sensitivity <0.5% Asbestos.

Analyst(s)

Rachel Glese (6)

Tom Hanes (6)

*Rhonda McGee*

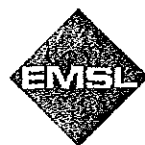
Rhonda McGee, Laboratory Manager  
or other approved signatory

Unless otherwise noted, the results in this report have not been blank corrected. Samples received in good condition unless otherwise noted.  
Analysis performed by EMSL Buffalo (NVLAP #200058-0), NY ELAP #11608

PLMPointCount-1

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2



EMSL Analytical, Inc.

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Phone: (716) 651-0030 Fax: (716) 651-0394 Email: [buffalolab@emsl.com](mailto:buffalolab@emsl.com)

Attn: **Jean Daigle**  
**Decommissioning Consulting Services Ltd.**  
**121 Granton Drive, Unit 11**  
**Richmond Hill, Ontario, CN L4B3N4**

Fax: (905) 882-8962 Phone: (905) 882-5984  
Project: 70059-1/ Egan Roof

Customer ID: DCSL97  
Customer PO: 70059-1  
Received: 11/07/08 10:26 AM  
EMSL Order: 140806016

EMSL Proj:  
Analysis Date: 11/11/2008  
Report Date: 11/12/2008

**Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1**

| SAMPLE ID            | DESCRIPTION                    | APPEARANCE  | % MATRIX MATERIAL | % NON-ASBESTOS FIBERS | ASBESTOS TYPES       |
|----------------------|--------------------------------|-------------|-------------------|-----------------------|----------------------|
| 1A<br>140806016-0015 | roof felts 1988 roof lounge    | Brown/Black | 100.0             | None                  | No Asbestos Detected |
| 2A<br>140806016-0016 | roof felts casket display room | Brown/Black | 100.0             | None                  | No Asbestos Detected |
| 3A<br>140806016-0017 | roof felts apartment roof      | Brown/Black | 99.9              | None                  | <0.25% Chrysotile    |
| 4A<br>140806016-0018 | roof felts S facing canopy     | Brown/Black | 100.0             | None                  | No Asbestos Detected |
| 5A<br>140806016-0019 | roof felts back of house       | Black       | 100.0             | None                  | No Asbestos Detected |
| 6A<br>140806016-0020 | roof felts concealed roof      | Black       | 100.0             | None                  | No Asbestos Detected |
| 7A<br>140806016-0021 | asbestos shingle               | White       | 52.0              | None                  | 48.0% Chrysotile     |

Analytical Sensitivity <0.5% Asbestos.

Analyst(s)

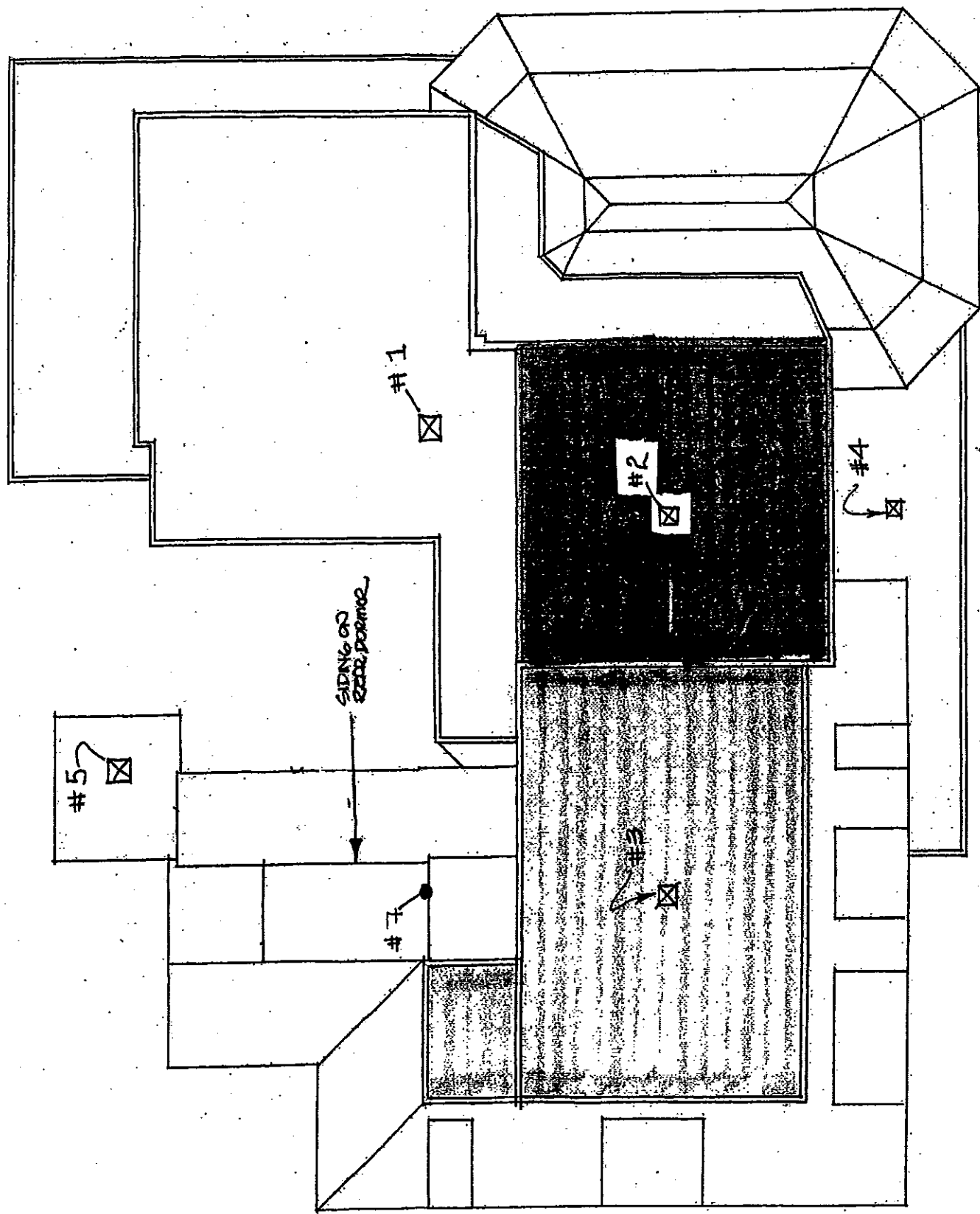
Tom Hanes (7)

*Rhonda McGee*

Rhonda McGee, Laboratory Manager  
or other approved signatory

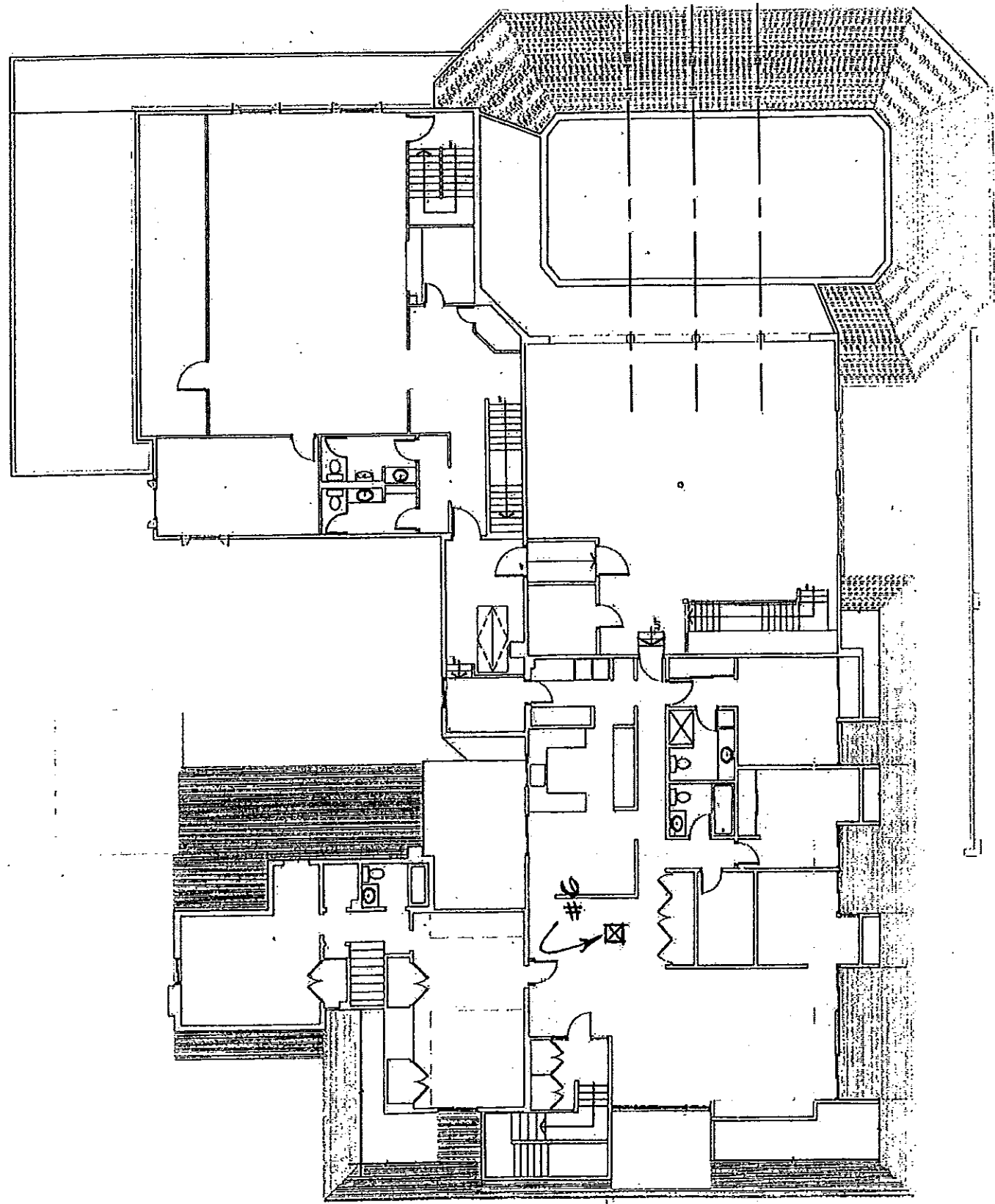
This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted.  
Analysis performed by EMSL Buffalo (NYLAP #200056-0), NY ELAP #11608

**ATTACHMENT B**  
**BULK SAMPLE LOCATIONS**



ROOF FLOOR PLAN (NTS)

GEORGE ROBB ARCHITECT



SECOND FLOOR PLAN (MS)

GEORGE ROBB ARCHITECT