

**Report prepared for:**

**ST HELENS CHAMBER**

**Asbestos Refurbishment and Demolition Survey**

**At**

**4-6 Hardshaw Street  
WA10 1RE**

**Our Ref: A-29413**

**15/11/2017**

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	<b><i>Name</i></b>	<b><i>Signature</i></b>	<b><i>Date</i></b>
<b>Report Author:</b>	Craig Smith		15/11/2017
<b>Approved By:</b>	Stuart Sadley		21/11/2017

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## Table of Contents

<b>1. EXECUTIVE SUMMARY .....</b>	<b>4</b>
<b>2. INTRODUCTION .....</b>	<b>5</b>
<b>3. OBJECTIVES &amp; SCOPE .....</b>	<b>7</b>
3.1 OBJECTIVES.....	7
3.2 SITE HISTORY: .....	7
3.3 SCOPE.....	8
<b>4. LIMITATIONS .....</b>	<b>9</b>
<b>5. ASBESTOS SURVEY &amp; SAMPLING ASSESSMENT .....</b>	<b>10</b>
5.1 ASBESTOS SURVEY REGISTER .....	11
5.2 PHOTOGRAPHS & SAMPLE DETAIL .....	14
5.3 NON-ASBESTOS REGISTER.....	19
5.4 SAMPLE DETAILS FOR MATERIALS SIMILAR TO ASBESTOS CONTAINING MATERIALS.....	27
<b>6. CONCLUSIONS .....</b>	<b>29</b>
6.1 GENERAL RECOMMENDATIONS .....	29
<b>APPENDIX A - SURVEY METHODOLOGY.....</b>	<b>30</b>
<b>APPENDIX B - LEGAL REQUIREMENTS .....</b>	<b>31</b>
<b>APPENDIX C - GENERAL NOTES FOR INFORMATION.....</b>	<b>32</b>
<b>APPENDIX D – CERTIFICATES.....</b>	<b>35</b>
<b>APPENDIX E – PLANS .....</b>	<b>38</b>

## 1. Executive Summary

A refurbishment and demolition survey for asbestos containing materials (ACMs) was undertaken at 4-6 Hardshaw Street WA10 1RE on 15/11/2017. Areas were inspected and sampled where required and as directed by the client.

The survey took the form of a refurbishment and demolition survey (as defined in Asbestos: The survey guide HSG 264). The purpose of the survey is to locate, as far as reasonably practicable, the presence and extent of any suspect asbestos containing materials (ACMs) in the building/area. The resulting information should be used to implement an asbestos management plan in accordance with HSE guidance. Refurbishment and demolition inspections were carried out to allow the safe undertaking of planned works.

Samples from each type of suspect ACM found are collected and analysed to confirm or refute the surveyor's judgement.

The following asbestos bearing materials were identified within the premises:

Building / Floor	Area	Material	Sample Number	Level Of ID	Material Score	Recommendation
Main Building / 0	018 - first floor men's w/c	insulation to old pipe hanger above suspended ceiling Insulation	2	Sample Analysed	6 - Low	Encapsulate, label & manage. Remove if planned works will impact upon material.
Main Building / 0	041 - basement boiler room	panel to door Insulating Board	11	Sample Analysed	6 - Low	Encapsulate, label & manage. Remove if planned works will impact upon material.
Main Building / 0	041 - basement boiler room	rope to boiler Gaskets (rope/woven)	10	Sample Analysed	5 - Low	Encapsulate, label & manage. Remove if planned works will impact upon material.

Due to the nature of use of ACMs the client should be made aware of the limitations of an asbestos survey being conducted. Asbestos debris may be present as a result of past removal works where in situ non-asbestos insulating materials are now present.

**The client is advised not to solely read the asbestos register and results section as a definitive description of all asbestos based materials within the building.**

**THIS REPORT SHOULD BE READ IN ITS ENTIRETY.**

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## 2. Introduction

MIC Environmental were requested by ST HELENS CHAMBER to conduct a refurbishment and demolition survey (as defined in Asbestos: The Survey Guide HSG264) at 4-6 Hardshaw Street WA10 1RE, to determine the presence of asbestos containing materials (ACM).

The survey was conducted by Craig Smith on 15/11/2017.

A refurbishment and demolition survey is required prior to any works which may impact upon the fabric of the building. Any ACMs identified in this report which are to remain in situ should be re-inspected as per the recommended action dates and the document should be amended and re-issued to reflect any changes. This report should be issued to specific individuals as a *controlled document* therefore following any amendments, old superseded reports, can be recalled and new ones issued.

This report is split into several sections:

### Sections 1 – 4

Contains background information, objectives and limitations

### Section 5 (Asbestos Survey Register)

This is the main tool for managing asbestos hazards in your building. Section 5 lists in tabular form all areas and rooms in the building(s) specifically identifying whether there is an asbestos hazard present (or not). The first column details the name (reference number) of each room / area in the building. The second column indicates whether there is asbestos *in the room* – rather than in the particular sample. The section further details what that hazard is, what level of risk it presents, action dates, recommendations on how to deal with it and if there are any areas of *non-access*. **All areas of non-access should be treated as if they contain ACMs until it can be proved otherwise.**

### Section 6(Conclusions)

Highlights specific areas of concern and prioritises urgent areas that require attention.

## Appendices

Details further information to support the findings within the main body of the report. This will include Photographs and certificates if included

If a user is planning a project or is simply giving the go-ahead for works in a specific area, **Section 5 (the asbestos register) should be referred to in the first instance.**

Section 5 details all the locations within the survey scope and will instantly inform the user whether there is an ACM in the area. Further detail can then be sought in the Conclusion (Section 5).

Throughout the report the following terms and abbreviations may be used:

MMMF	This describes any machine made mineral fibre, fibreglass, rock wool and other such material.
AIB:	Asbestos Insulating Board.
Chrysotile:	Commonly known as white asbestos.
Amosite:	Commonly known as brown asbestos.
Crocidolite:	Commonly known as blue asbestos.
Amphibole:	Generic name for all asbestos types, excluding Chrysotile.
ACM:	Asbestos Containing Materials
NAD:	No Asbestos Detected

Annotated plans accompany this report.

Questions arising from the survey report should be directed, in the first instance, to the author of this report, who will be pleased to clarify any technical issues raised.

### 3. Objectives & Scope

#### 3.1 Objectives

The purpose of the survey was to:

- Aid compliance with CAR 2012 regulations (regulation 4)
- Locate, as far as reasonably practicable, the presence and extent of any suspect asbestos containing materials (ACMs) in the premises.
- Provide Recommendations on an appropriate course of action.
- Prioritise any required actions giving clear dates by when a specific recommendation should be completed

This report will form the basic tool to operate your Asbestos Management Plan.

#### 3.2 Site History:

The property is purpose built residential accommodation, which forms part of the ST HELENS CHAMBER scheme.

The following installations are common to buildings built prior to Pre-1999. Any such material identified during “opening-up” works beyond the scope of this report should be treated as if it were asbestos until proved otherwise. The following years of usage are taken from the HSE document Asbestos: The Survey Guide.

Property Construction Date	Possible ACM Present	Uses
Pre 1999	Millboard	Heat & electrical insulation
	Sprayed Coating	Thermal and anti-condensation insulation to underside of roofs. Fire protection for steel and concrete beams / columns
	Thermal Insulation	Pipes, Boilers, Pressure Vessels & Calorifiers
	Insulating Board	Fire protection, thermal / acoustic insulation and moisture resistance. Cores to composite products (e.g. fire doors)
	Cement - Amphibole	Roofing, wall cladding, permanent shuttering, cooling tower elements, cable sheaths, landfill etc..
	Bitumen Products	Roofing felts, condensation protection to metals e.g. pipes
	Flooring	PVC vinyl floor tiles, paper backing to floor tiles, Magnesium Oxychloride flooring to staircases, WC's & industrial flooring
	Paper	Electrical, acoustic & heat insulation
	Woven products	Packing, jointing, clothing
	Friction Products	Brakes, clutch plates etc.
	Cement - Serpentine only	Roofing, wall cladding, permanent shuttering, cooling tower elements, cable sheaths, landfill etc..
	Bonded products	Compressed pipe gaskets

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### 3.3 Scope

A refurbishment and demolition survey is required to ensure works can be carried out in a safe and controlled manner.

Areas where asbestos materials were suspected to contain asbestos were sampled to prove or disprove the surveyors judgment. Obvious general buildings materials were not sampled and are not detailed within this report.

Unless highlighted all areas within the demise of the R & D Survey areas are deemed safe to work on. Always proceed with caution cease work should you encounter any unknown or suspicious materials until there make up can be confirmed by a competent person.

Targeted intrusive inspections carried out to allow planned refurbishment works. Areas included the full property.

Some areas within the scope may not have been accessed due to a variety of reasons including unforeseen difficulties on site. These areas are specifically referred to in Sections 1 & 6.



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## 4. Limitations

This survey has been designed as a refurbishment and demolition inspection as defined in the HSE document Asbestos: The Survey Guide. Due to the nature and use of ACMs in buildings asbestos can be concealed within wall voids and within working mechanical or electrical plant. Therefore, whilst every reasonable effort is made by the surveyors, MIC cannot guarantee that all asbestos materials have been identified and survey results are definitive.

The survey Guide recommends that the only suitable and sufficient risk assessment prior to a refurbishment (or demolition) is a refurbishment and demolition survey.

**Due to the damage to fixtures and fittings, it is inevitable that this type of survey can only be completed when vacant position of a building (or area) is possible.**

Some asbestos installations could be present in the structure that may only be discovered when the building is demolished or subject to major refurbishment. Any concealed void that is not clearly marked and referred to in this document has not been accessed and should be assumed to contain asbestos.

The sampling regime is dictated by the nature of the structure. Sufficient representative samples were taken at each location. It is advisable to assume that materials similar to positive samples also contain asbestos until proved otherwise. According to HSE guidance all un-sampled materials, without good evidence to the contrary, should be assumed to contain asbestos.

Some materials suspected by the surveyor as containing asbestos have not been sampled due lack of access. Such materials have received a “*Visual Assessment*”. In accordance with The Control of Asbestos Regulations 2012, these materials are suspected to contain amphibole asbestos, unless sampled to prove otherwise. Amphibole asbestos is considered to be the most hazardous mineral *species* of asbestos.

MIC priority system is guidance only based on the prevailing conditions at the time of the survey, the client or duty holder has all further responsibilities to manage and prioritise

**See also Appendix D.**

## 5. Asbestos Survey & Sampling Assessment

### 5.1 Material Assessment Algorithm Scoring Parameters:

Variable	Score	Example of Scores
<b>Product Type</b>	1	Asbestos reinforced composites (plastic, resins, mastic, roofing felts, floor tiles, asbestos cement, semi rigid paints or decorative finish)
	2	AIB, mill boards, other low density insulating boards, asbestos textiles, gaskets, ropes and woven textiles, asbestos paper and felt.
	3	Thermal insulation (e.g. pipe and boiler lagging) sprayed asbestos, loose asbestos, asbestos mattresses and packing
<b>Extent of Damage</b>	0	Good condition, no visible damage
	1	Low Damage, a few scratches or surface marks, broken edges on board, tiles etc.
	2	Medium damage, significant breakage of material or several small areas where material has been damaged revealing loose asbestos fibres
	3	High Damage or delamination of materials, sprays and thermal insulation. Visible asbestos debris.
<b>Surface Treatment</b>	0	Composite materials containing asbestos: reinforced plastics, resin, vinyl tiles.
	1	Enclosed sprays and lagging, AIB (with exposed face painted or encapsulated) asbestos cement sheets etc
	2	Unsealed AIB, or encapsulated lagging and sprays
	3	Unsealed lagging and sprays
<b>Asbestos Type</b>	1	Chrysotile
	2	Amphibole Asbestos (excluding Crocidolite)
	3	Crocidolite

## 5.2 Asbestos Survey Register

Site:4-6 Hardshaw Street WA10 1RE,

Date:15/11/2017

Building/Floor	Sample Location:	Asbestos Present: Yes / No / Presumed	Sample / Lab Ref:	Material type, Location and Description:	Qtym <sup>2</sup> /lm	Asbestos type	Product Type	Condition	Surface Treatment	Risk Rating	Recommended Action:
Main Building / 0	005 - hair salon floor	Presumed	A-29413/	No access under floor covering							Presume asbestos materials are present until access can be gained for inspection.
Main Building / 0	006 - reception floor	Presumed	A-29413/	No access under floor covering							Presume asbestos materials are present until access can be gained for inspection.
Main Building / 0	009 - second floor lift lobby lift motor room	Presumed	A-29413/	No access under floor covering							Presume asbestos materials are present until access can be gained for inspection.
Main Building / 0	012 - second floor kitchen	No	A-29413/S001	sink - Bituminous Product		NAD					No recommendation required
Main Building / 0	018 - first floor men's w/c	Yes	A-29413/S002	insulation to old pipe hanger above suspended ceiling - Insulation	0.1	Chrysotile	2	1	2	6 - Low	Encapsulate, label & manage. Remove if planned works will impact upon material.
Main Building / 0	022 - first floor room c	No	A-29413/S003	x2 ropes to windows - Gaskets (rope/woven)		NAD					No recommendation required
Main Building / 0	026 - first floor reception	No	A-29413/X003	x2 ropes to windows - Gaskets (rope/woven)		NAD					No recommendation required
Main Building / 0	027 - first floor room A	No	A-29413/X003	x2 ropes to windows - Gaskets (rope/woven)		NAD					No recommendation required
Main Building / 0	028 - first floor room B	No	A-29413/X003	x2 ropes to windows - Gaskets (rope/woven)		NAD					No recommendation required

Main Building / 0	033 - ground floor corridor cupboard	No	A-29413/S004	paper to wall - Gaskets (compressed)		NAD					No recommendation required
Main Building / 0	034 - ground floor reception	No	A-29413/X005	panels to beam above suspended ceiling - Insulating Board		NAD					No recommendation required
Main Building / 0	034 - ground floor reception	No	A-29413/S006	panels above window above suspended ceiling - Insulating Board		NAD					No recommendation required
Main Building / 0	034 - ground floor reception	No	A-29413/S005	panels to beam above suspended ceiling - Insulating Board		NAD					No recommendation required
Main Building / 0	035 - ground floor disabled toilets	No	A-29413/X005	panels to beam above suspended ceiling - Insulating Board		NAD					No recommendation required
Main Building / 0	041 - basement boiler room	No	A-29413/S008	debris to floor - Insulation		NAD					No recommendation required
Main Building / 0	041 - basement boiler room	No	A-29413/S007	debris to wall - Insulation		NAD					No recommendation required
Main Building / 0	041 - basement boiler room	No	A-29413/S009	debris to boiler - Insulation		NAD					No recommendation required
Main Building / 0	041 - basement boiler room	Yes	A-29413/S010	rope to boiler - Gaskets (rope/woven)	0.1m <sup>2</sup>	Chrysotile	2	0	2	5 - Low	Encapsulate, label & manage. Remove if planned works will impact upon material.
Main Building / 0	041 - basement boiler room	No	A-29413/S012	Ceiling - Insulating Board		NAD					No recommendation required
Main Building / 0	041 - basement boiler room	Yes	A-29413/S011	panel to door - Insulating Board	1m <sup>2</sup>	Amosite / chrysotile	2	0	2	6 - Low	Encapsulate, label & manage. Remove if planned works will impact upon material.

Main Building / 0	042 - basement corridor floor	Presumed	A-29413/	No access under floor covering							Presume asbestos materials are present until access can be gained for inspection.
Main Building / 0	043 - basement hall floor	Presumed	A-29413/	No access under floor covering							Presume asbestos materials are present until access can be gained for inspection.
Main Building / 0	044 - basement mains room floor	Presumed	A-29413/	No access under floor covering							Presume asbestos materials are present until access can be gained for inspection.
Main Building / 0	046 - basement lady's w/c floor	Presumed	A-29413/	No access under floor covering							Presume asbestos materials are present until access can be gained for inspection.
Main Building / 0	048 - basement file room floor	Presumed	A-29413/	No access under floor covering							Presume asbestos materials are present until access can be gained for inspection.
Main Building / 0	049 - basement cleaners room floor	Presumed	A-29413/	No access under floor covering							Presume asbestos materials are present until access can be gained for inspection.
Main Building / 0	050 - basement staff room	No	A-29413/ S013	sink - Bituminous Product		NAD					No recommendation required

All samples are analysed at a UKAS accredited laboratory


### 5.3 Photographs & Sample detail


Sample No.	A-29413/S001		
Property	4-6 Hardshaw Street WA10 1RE		
Building / Floor	Main Building	0	
Location	second floor kitchen		
Position	sink		
Material	Bituminous Product		
Extent:			
Analytical Results	NAD		
Material Assessment			
Description of remedial works required / comments			
No recommendation required			

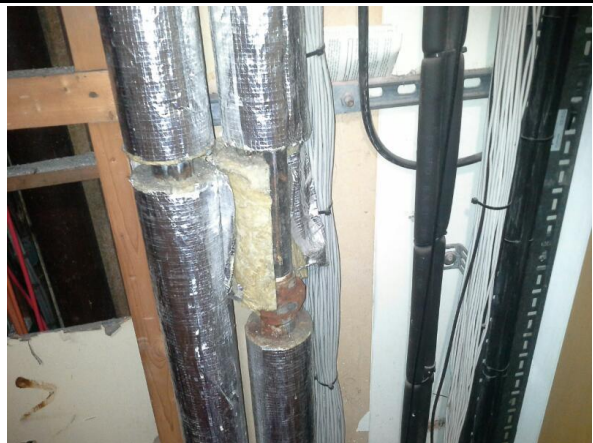



Sample No.	A-29413/S002	
Property	4-6 Hardshaw Street WA10 1RE	
Building / Floor	Main Building	0
Location	first floor men's w/c	
Position	insulation to old pipe hanger above suspended ceiling	
Material	Insulation	
Extent:	0.1	
Analytical Results	Chrysotile	
Material Assessment	6 - Low	
Description of remedial works required / comments		


Encapsulate, label & manage. Remove if planned works will impact upon material.
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Sample No.	A-29413/S003		
Property	4-6 Hardshaw Street WA10 1RE		
Building / Floor	Main Building	0	
Location	first floor room c		
Position	x2 ropes to windows		
Material	Gaskets (rope/woven)		
Extent:			
Analytical Results	NAD		
Material Assessment			
Description of remedial works required / comments			No recommendation required


Sample No.	A-29413/S004		
Property	4-6 Hardshaw Street WA10 1RE		
Building / Floor	Main Building	0	
Location	ground floor corridor cupboard		
Position	paper to wall		
Material	Gaskets (compressed)		
Extent:			
Analytical Results	NAD		
Material Assessment			
Description of remedial works required / comments			No recommendation required

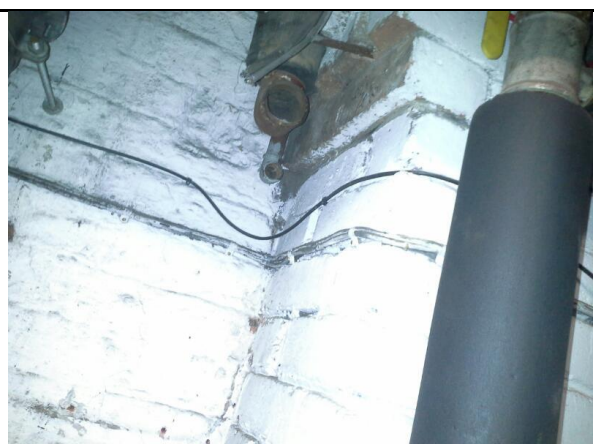
Sample No.	A-29413/S006		
Property	4-6 Hardshaw Street WA10 1RE		
Building / Floor	Main Building	0	
Location	ground floor reception		
Position	panels above window above suspended ceiling		
Material	Insulating Board		
Extent:			
Analytical Results	NAD		
Material Assessment			
Description of remedial works required / comments			No recommendation required

Sample No.	A-29413/S005		
Property	4-6 Hardshaw Street WA10 1RE		
Building / Floor	Main Building	0	
Location	ground floor reception		
Position	panels to beam above suspended ceiling		
Material	Insulating Board		
Extent:			
Analytical Results	NAD		
Material Assessment			
Description of remedial works required / comments			No recommendation required

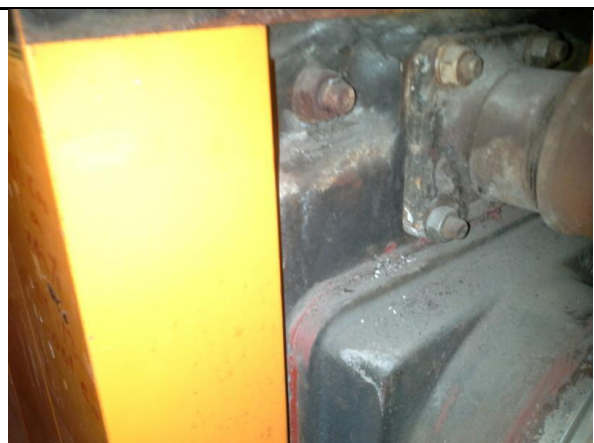



Sample No.	A-29413/S011		
Property	4-6 Hardshaw Street WA10 1RE		
Building / Floor	Main Building	0	
Location	basement boiler room		
Position	panel to door		
Material	Insulating Board		
Extent:	1m <sup>2</sup>		
Analytical Results	Amosite / chrysotile		
Material Assessment	6 - Low		
Description of remedial works required / comments			Encapsulate, label & manage. Remove if planned works will impact upon material.

Sample No.	A-29413/S008		
Property	4-6 Hardshaw Street WA10 1RE		
Building / Floor	Main Building	0	
Location	basement boiler room		
Position	debris to floor		
Material	Insulation		
Extent:			
Analytical Results	NAD		
Material Assessment			No recommendation required
Description of remedial works required / comments			

Sample No.	A-29413/S007		
Property	4-6 Hardshaw Street WA10 1RE		
Building / Floor	Main Building	0	
Location	basement boiler room		
Position	debris to wall		
Material	Insulation		
Extent:			
Analytical Results	NAD		
Material Assessment			No recommendation required
Description of remedial works required / comments			



Sample No.	A-29413/S009		
Property	4-6 Hardshaw Street WA10 1RE		
Building / Floor	Main Building	0	
Location	basement boiler room		
Position	debris to boiler		
Material	Insulation		
Extent:			
Analytical Results	NAD		
Material Assessment			
Description of remedial works required / comments			No recommendation required

Sample No.	A-29413/S010		
Property	4-6 Hardshaw Street WA10 1RE		
Building / Floor	Main Building	0	
Location	basement boiler room		
Position	rope to boiler		
Material	Gaskets (rope/woven)		
Extent:	0.1m <sup>2</sup>		
Analytical Results	Chrysotile		
Material Assessment	5 - Low		
Description of remedial works required / comments			Encapsulate, label & manage. Remove if planned works will impact upon material.

Sample No.	A-29413/S012		
Property	4-6 Hardshaw Street WA10 1RE		
Building / Floor	Main Building	0	
Location	basement boiler room		
Position	Ceiling		
Material	Insulating Board		
Extent:			
Analytical Results	NAD		
Material Assessment			
Description of remedial works required / comments			No recommendation required

Sample No.	A-29413/S013		
Property	4-6 Hardshaw Street WA10 1RE		
Building / Floor	Main Building	0	
Location	basement staff room		
Position	sink		
Material	Bituminous Product		
Extent:			
Analytical Results	NAD		
Material Assessment			
Description of remedial works required / comments			

			
No recommendation required			

## 5.4 Non-Asbestos Register

Building / Floor	Room/Area	Item	Material
Main Building / 0	001 - nail parlour	Floor	Timber
Main Building / 0	001 - nail parlour	Internal Wall	Plastered brick / block / concrete
Main Building / 0	001 - nail parlour	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	001 - nail parlour	Ceiling	Plaster Board
Main Building / 0	002 - training room	Ceiling	Plaster Board
Main Building / 0	002 - training room	Floor	Timber
Main Building / 0	002 - training room	Internal Wall	Plaster Board
Main Building / 0	002 - training room	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	003 - stock room	Ceiling	Plaster Board
Main Building / 0	003 - stock room	Floor	Timber
Main Building / 0	003 - stock room	Internal Wall	Plaster Board
Main Building / 0	003 - stock room	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	004 - office	Ceiling	Plaster Board
Main Building / 0	004 - office	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	004 - office	Floor	Timber
Main Building / 0	004 - office	Internal Wall	Plastered brick / block / concrete
Main Building / 0	005 - hair salon	Ceiling	Plaster Board
Main Building / 0	005 - hair salon	Floor	Plastic / ceramic sanitaryware
Main Building / 0	005 - hair salon	Internal Wall	Plastered brick / block / concrete
Main Building / 0	005 - hair salon	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	006 - reception	Ceiling	Plaster Board
Main Building / 0	006 - reception	Floor	Plastic / ceramic sanitaryware
Main Building / 0	006 - reception	Internal Wall	Plastered brick / block / concrete
Main Building / 0	006 - reception	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	007 - second floor landing	Internal Wall	Plastered brick / block / concrete
Main Building / 0	007 - second floor landing	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	007 - second floor landing	Ceiling	Plaster Board

Building / Floor	Room/Area	Item	Material
Main Building / 0	007 - second floor landing	Floor	Timber
Main Building / 0	008 - second lift lobby	Ceiling	Plaster Board
Main Building / 0	008 - second lift lobby	Floor	Timber
Main Building / 0	008 - second lift lobby	Internal Wall	Plastered brick / block / concrete
Main Building / 0	010 - second floor landing cupboard	Ceiling	Plaster Board
Main Building / 0	010 - second floor landing cupboard	Floor	Timber
Main Building / 0	010 - second floor landing cupboard	Internal Wall	Plastered brick / block / concrete
Main Building / 0	011 - second floor hall	Internal Wall	Plastered brick / block / concrete
Main Building / 0	011 - second floor hall	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	011 - second floor hall	Floor	Timber
Main Building / 0	011 - second floor hall	Ceiling	Plaster Board
Main Building / 0	012 - second floor kitchen	Floor	Plastic / ceramic sanitaryware
Main Building / 0	012 - second floor kitchen	Internal Wall	Plastered brick / block / concrete
Main Building / 0	012 - second floor kitchen	sink	Bituminous Product
Main Building / 0	012 - second floor kitchen	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	012 - second floor kitchen	Ceiling	Plaster Board
Main Building / 0	013 - second floor store room	Ceiling	Plaster Board
Main Building / 0	013 - second floor store room	Floor	Plastic / ceramic sanitaryware
Main Building / 0	013 - second floor store room	Internal Wall	Ceramic tiled brick / block / concrete
Main Building / 0	013 - second floor store room	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	014 - second floor men's w/c	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	014 - second floor mens w/c	Ceiling	Plaster Board
Main Building / 0	014 - second floor mens w/c	Floor	Plastic / ceramic sanitaryware
Main Building / 0	014 - second floor mens w/c	Internal Wall	Ceramic tiled brick / block / concrete
Main Building / 0	015 - second floor ladies w/c	Ceiling	Plaster Board
Main Building / 0	015 - second floor ladies w/c	Floor	Plastic / ceramic sanitaryware

Building / Floor	Room/Area	Item	Material
Main Building / 0	015 - second floor ladies w/c	Internal Wall	Ceramic tiled brick / block / concrete
Main Building / 0	015 - second floor ladies w/c	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	016 - second floor disabled w/c	Ceiling	Plaster Board
Main Building / 0	016 - second floor disabled w/c	Floor	Plastic / ceramic sanitaryware
Main Building / 0	016 - second floor disabled w/c	Internal Wall	Ceramic tiled brick / block / concrete
Main Building / 0	016 - second floor disabled w/c	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	017 - second floor stairs	Floor	Carpeted / carpet tiled
Main Building / 0	017 - second floor stairs	Internal Wall	Plastered brick / block / concrete
Main Building / 0	017 - second floor stairs	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	018 - first floor men's w/c	Ceiling	Plaster Board
Main Building / 0	018 - first floor mens w/c	Floor	Plastic / ceramic sanitaryware
Main Building / 0	018 - first floor mens w/c	Internal Wall	Ceramic tiled brick / block / concrete
Main Building / 0	018 - first floor mens w/c	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	019 - first floor ladies/c	Ceiling	Plaster Board
Main Building / 0	019 - first floor ladies/c	Floor	Plastic / ceramic sanitaryware
Main Building / 0	019 - first floor ladies/c	Internal Wall	Ceramic tiled brick / block / concrete
Main Building / 0	019 - first floor ladies/c	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	020 - first floor landing	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	020 - first floor landing	Internal Wall	Plastered brick / block / concrete
Main Building / 0	020 - first floor landing	Floor	Timber
Main Building / 0	020 - first floor landing	Ceiling	Plaster Board
Main Building / 0	021 - first floor hall	Floor	Timber
Main Building / 0	021 - first floor hall	Internal Wall	Plastered brick / block / concrete
Main Building / 0	021 - first floor hall	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	021 - first floor hall	Ceiling	Plaster Board
Main Building / 0	022 - first floor room c	x2 ropes to windows	Gaskets (rope/woven)
Main Building / 0	022 - first floor room c	Ceiling	Plaster Board

Building / Floor	Room/Area	Item	Material
Main Building / 0	022 - first floor room c	Floor	Timber
Main Building / 0	022 - first floor room c	Internal Wall	Plastered brick / block / concrete
Main Building / 0	022 - first floor room c	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	023 - first floor electric riser	Floor	Timber
Main Building / 0	023 - first floor electric riser	Internal Wall	Brick
Main Building / 0	024 - first floor interview room	Floor	Timber
Main Building / 0	024 - first floor interview room	Internal Wall	Plastered brick / block / concrete
Main Building / 0	024 - first floor interview room	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	024 - first floor interview room	Ceiling	Plaster Board
Main Building / 0	025 - first floor managers office	Ceiling	Plaster Board
Main Building / 0	025 - first floor managers office	Floor	Timber
Main Building / 0	025 - first floor managers office	Internal Wall	Plastered brick / block / concrete
Main Building / 0	025 - first floor managers office	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	026 - first floor reception	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	026 - first floor reception	Ceiling	Plaster Board
Main Building / 0	026 - first floor reception	Floor	Timber
Main Building / 0	026 - first floor reception	x2 ropes to windows	Gaskets (rope/woven)
Main Building / 0	026 - first floor reception	Internal Wall	Plastered brick / block / concrete
Main Building / 0	027 - first floor room A	Ceiling	Plaster Board
Main Building / 0	027 - first floor room A	Floor	Timber
Main Building / 0	027 - first floor room A	Internal Wall	Plastered brick / block / concrete
Main Building / 0	027 - first floor room A	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	027 - first floor room A	x2 ropes to windows	Gaskets (rope/woven)
Main Building / 0	028 - first floor room B	Ceiling	Plaster Board
Main Building / 0	028 - first floor room B	Floor	Timber
Main Building / 0	028 - first floor room B	Internal Wall	Plastered brick / block / concrete
Main Building / 0	028 - first floor room B	Susp. Ceiling	Machine Made Mineral Fibre product

Building / Floor	Room/Area	Item	Material
Main Building / 0	028 - first floor room B	x2 ropes to windows	Gaskets (rope/woven)
Main Building / 0	029 - first floor stairs	Floor	Timber
Main Building / 0	029 - first floor stairs	Internal Wall	Plastered brick / block / concrete
Main Building / 0	029 - first floor stairs	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	030 - ground floor hall	Ceiling	Plaster Board
Main Building / 0	030 - ground floor hall	Floor	Timber
Main Building / 0	030 - ground floor hall	Internal Wall	Plastered brick / block / concrete
Main Building / 0	030 - ground floor hall	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	031 - ground office	Ceiling	Plaster Board
Main Building / 0	031 - ground office	Floor	Timber
Main Building / 0	031 - ground office	Internal Wall	Plastered brick / block / concrete
Main Building / 0	031 - ground office	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	032 - ground floor corridor	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	032 - ground floor corridor	Ceiling	Plaster Board
Main Building / 0	032 - ground floor corridor	Floor	Timber
Main Building / 0	032 - ground floor corridor	Internal Wall	Plastered brick / block / concrete
Main Building / 0	033 - ground floor corridor cupboard	Ceiling	Plaster Board
Main Building / 0	033 - ground floor corridor cupboard	Floor	Timber
Main Building / 0	033 - ground floor corridor cupboard	Internal Wall	Plastered brick / block / concrete
Main Building / 0	033 - ground floor corridor cupboard	paper to wall	Gaskets (compressed)
Main Building / 0	034 - ground floor reception	panels to beam above suspended ceiling	Insulating Board
Main Building / 0	034 - ground floor reception	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	034 - ground floor reception	panels above window above suspended ceiling	Insulating Board
Main Building / 0	034 - ground floor reception	Internal Wall	Plastered brick / block / concrete
Main Building / 0	034 - ground floor reception	Floor	Plastic / ceramic sanitaryware
Main Building / 0	034 - ground floor reception	Ceiling	Plaster Board

Building / Floor	Room/Area	Item	Material
Main Building / 0	035 - ground floor disabled toilets	Floor	Ceramic tiled brick / block / concrete
Main Building / 0	035 - ground floor disabled toilets	Internal Wall	Ceramic tiled brick / block / concrete
Main Building / 0	035 - ground floor disabled toilets	panels to beam above suspended ceiling	Insulating Board
Main Building / 0	035 - ground floor disabled toilets	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	035 - ground floor disabled toilets	Ceiling	Plaster Board
Main Building / 0	036 - ground floor interview room 3	Ceiling	Plaster Board
Main Building / 0	036 - ground floor interview room 3	Floor	Concrete
Main Building / 0	036 - ground floor interview room 3	Internal Wall	Plastered brick / block / concrete
Main Building / 0	036 - ground floor interview room 3	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	037 - ground floor interview room 2	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	037 - ground floor interview room 2	Internal Wall	Plastered brick / block / concrete
Main Building / 0	037 - ground floor interview room 2	Floor	Concrete
Main Building / 0	037 - ground floor interview room 2	Ceiling	Plaster Board
Main Building / 0	038 - ground floor interview room 1	Floor	Concrete
Main Building / 0	038 - ground floor interview room 1	Internal Wall	Plastered brick / block / concrete
Main Building / 0	038 - ground floor interview room 1	Susp. Ceiling	Machine Made Mineral Fibre product
Main Building / 0	038 - ground floor interview room 1	Ceiling	Plaster Board
Main Building / 0	039 - basement stairs	Floor	Plastic / ceramic sanitaryware
Main Building / 0	039 - basement stairs	Internal Wall	Plastered brick / block / concrete
Main Building / 0	039 - basement stairs	Ceiling	Concrete
Main Building / 0	040 - basement electric cupboard	Floor	Plastic / ceramic sanitaryware
Main Building / 0	040 - basement electric cupboard	Internal Wall	Brick
Main Building / 0	040 - basement electric cupboard	Ceiling	Plaster Board
Main Building / 0	041 - basement boiler	Ceiling	Concrete



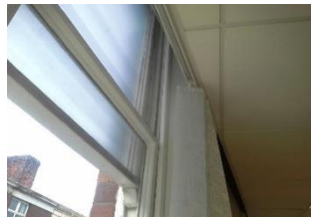


Building / Floor	Room/Area	Item	Material
	room		
Main Building / 0	041 - basement boiler room	debris to wall	Insulation
Main Building / 0	041 - basement boiler room	Internal Wall	Brick
Main Building / 0	041 - basement boiler room	Floor	Concrete
Main Building / 0	041 - basement boiler room	debris to floor	Insulation
Main Building / 0	041 - basement boiler room	Ceiling	Insulating Board
Main Building / 0	041 - basement boiler room	debris to boiler	Insulation
Main Building / 0	042 - basement corridor	Ceiling	Concrete
Main Building / 0	042 - basement corridor	Floor	Plastic / ceramic sanitaryware
Main Building / 0	042 - basement corridor	Internal Wall	Plastered brick / block / concrete
Main Building / 0	043 - basement hall	Internal Wall	Plastered brick / block / concrete
Main Building / 0	043 - basement hall	Ceiling	Concrete
Main Building / 0	043 - basement hall	Floor	Plastic / ceramic sanitary ware
Main Building / 0	044 - basement mains room	Internal Wall	Plastered brick / block / concrete
Main Building / 0	044 - basement mains room	Ceiling	Concrete
Main Building / 0	044 - basement mains room	Floor	Plastic / ceramic sanitaryware
Main Building / 0	045 - basement mens w/c	Ceiling	Concrete
Main Building / 0	045 - basement mens w/c	Floor	Plastic / ceramic sanitary ware
Main Building / 0	045 - basement mens w/c	Internal Wall	Plastered brick / block / concrete
Main Building / 0	045 - basement mens w/c	Susp. Ceiling	Plastered brick / block / concrete
Main Building / 0	046 - basement ladies w/c	Ceiling	Concrete
Main Building / 0	046 - basement ladies w/c	Floor	Plastic / ceramic sanitaryware
Main Building / 0	046 - basement ladies w/c	Internal Wall	Plastered brick / block / concrete
Main Building / 0	047 - basement sewerage void	Internal Wall	Concrete
Main Building / 0	047 - basement sewerage void	Ceiling	Concrete
Main Building / 0	047 - basement sewerage	Floor	Concrete



Building / Floor	Room/Area	Item	Material
	void		
Main Building / 0	048 - basement file room	Internal Wall	Plastered brick / block / concrete
Main Building / 0	048 - basement file room	Ceiling	Concrete
Main Building / 0	048 - basement file room	Floor	Plastic / ceramic sanitaryware
Main Building / 0	049 - basement cleaners room	Ceiling	Concrete
Main Building / 0	049 - basement cleaners room	Floor	Plastic / ceramic sanitaryware
Main Building / 0	049 - basement cleaners room	Internal Wall	Plastered brick / block / concrete
Main Building / 0	050 - basement staff room	Ceiling	Concrete
Main Building / 0	050 - basement staff room	Floor	Plastic / ceramic sanitaryware
Main Building / 0	050 - basement staff room	Internal Wall	Plastered brick / block / concrete
Main Building / 0	050 - basement staff room	sink	Bituminous Product
Main Building / 0	051 - basement riser	Internal Wall	Concrete
Main Building / 0	051 - basement riser	Floor	Concrete

## 5.5 Sample Details for Materials Similar to Asbestos Containing Materials

**Site:** 4-6 Hardshaw Street WA10 1RE,

**Date:**15/11/2017

Building / Floor	Location	Material Description	Sample Number	I.D Result	Extent/Quantity	Photo No.
Main Building / 0	026 - first floor reception	x2 ropes to windows - Gaskets (rope/woven)	A-29413/X003	NAD	2lm	
Main Building / 0	027 - first floor room A	x2 ropes to windows - Gaskets (rope/woven)	A-29413/X003	NAD	2lm	
Main Building / 0	028 - first floor room B	x2 ropes to windows - Gaskets (rope/woven)	A-29413/X003	NAD	2lm	

Main Building / 0	034 - ground floor reception	panels to beam above suspended ceiling - Insulating Board	A-29413/X005	NAD	3m <sup>2</sup>	
Main Building / 0	035 - ground floor disabled toilets	panels to beam above suspended ceiling - Insulating Board	A-29413/X005	NAD	4lm	

## 6. Conclusions

### 6.1 General Recommendations

From samples taken, results indicate that asbestos materials were identified within the property. Only contractors with suitable competency and insurance should be permitted to work on asbestos containing materials. If confirmed Asbestos materials are to remain in situ they should be reassessed on a regular basis (e.g. annually)

#### GENERAL RECOMMENDATIONS/NOTES

For specific recommendations see survey register and individual sample records in photo section

Areas which could not be accessed for structural and operational reasons are listed below.

Building / Floor	Location	Reason for No Access / Limited Access
Main Building / 0	005 - hair salon floor	Would cause damage
Main Building / 0	006 - reception floor	Would cause damage
Main Building / 0	009 - second floor lift lobby lift motor room	Would cause damage
Main Building / 0	042 - basement corridor floor	Would cause damage
Main Building / 0	043 - basement hall floor	Would cause damage
Main Building / 0	044 - basement mains room floor	Would cause damage
Main Building / 0	046 - basement ladies w/c floor	Would cause damage
Main Building / 0	048 - basement file room floor	Would cause damage
Main Building / 0	049 - basement cleaners room floor	Would cause damage

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## Appendix A - Survey Methodology

The surveyor conducted a systematic inspection of the areas detailed in the Scope (see section 2). Such materials have received a “*Visual Assessment*”. In accordance with The Control of Asbestos Regulations 2012, these materials are suspected to contain amphibole asbestos, unless sampled to prove otherwise. Amphibole asbestos is considered to be the most hazardous mineral *species* of asbestos. For similar or repetitive elements, an “*As Sample*” system has been utilised this allows the surveyor to reference a single type of ACM to a sample taken earlier.

Asbestos sampling is conducted in accordance with the MIC Environmental Ltd Procedures on Bulk Sampling. Sampling is always completed using fibre suppressant techniques in order to minimise respirable fibre release.

All samples are issued to a UKAS accredited laboratory for analysis using plane and polarised light microscopy and dispersion staining techniques as defined in the HSE document MDHS 77. This ensures complete independence between survey recommendations and analytical results.

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## Appendix B - Legal Requirements

All Health & Safety legislation is governed via the Health & Safety at Work etc. Act 1974. Beneath this act there are several regulations that go into specific detail relevant to asbestos as a hazard, management of risk and the control of construction projects.

- The Control of Asbestos Regulations 2012.
- Construction (Design and Management) Regulations 2015
- Health & Safety Guidance note HSG 248
- Management of Health and Safety at Work Regulations 1999.

The Control of Asbestos Regulations 2012 is the specific set of regulations that control all works that may affect ACMs

The Management of Health and Safety at Work Regulations 1999 details how to manage hazards and risks in the work place. The Construction (Design and Management) Regulations 2015 (CDM) detail requirements for all but the smallest of construction projects. Compliance with CDM is required for all projects that involve more than 4 operatives on site or will last more than 30 days.

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## Appendix C - General Notes for Information

Due to the nature and use of ACMs in buildings, asbestos can be concealed within wall voids, beneath floorboards and within working mechanical or electrical plant. Therefore, to assist in the management of the building the following lists have been compiled.

Table 1 describes building elements such as Floor Voids or Lift Shafts. These areas within a building commonly contain asbestos and internal inspection may prove problematic during a standard sampling survey. Prudent management would be to treat all such areas as if they contain asbestos (unless proved otherwise) and proceed with caution. Some building elements (e.g. suspended ceilings) are routinely inspected during a survey - if access out of hours was provided and the ceiling tile construction is the simple "pop-up" rather than the "interlocking" type. Specific reference will normally be made in the body of the report.

Table 2 describes specific asbestos containing material types and where they may be found in a building and possible access difficulties.

Destructive surveys (or Management as defined in Asbestos: The Survey Guide) are designed to access additional areas and produce a more complete picture of the ACMs in a building. Asbestos: The survey guide recommends that the only suitable and sufficient risk assessment prior to a refurbishment (or demolition) is a Management survey as detailed in Asbestos: The Survey Guide. Due to the damage to fixtures and fitting inevitable when forging access into voids, this type of survey can only be completed when vacant position of a building (or area) is possible.

**Some asbestos installations could be present in the building that may only be discovered when the building is demolished, subject to major refurbishment.**



**Table 1 – Building Elements**

Building Element	Access Difficulty
<b>Boilers</b>	Boilers can contain asbestos gaskets between the “ribs” and insulation inside the casing. This may not be visible until the boilers can be dismantled
<b>Ceiling Voids &amp; Suspended Ceilings</b>	Accessing ceiling voids carries the risk of collapse of the structure and of fibre release from the disturbance of any asbestos material within it. Such a disturbance could cause contamination of the area immediately below. Therefore access into ceiling voids is only carried out in unoccupied areas.
<b>Columns</b>	Internal asbestos insulation to columns is common, this material is usually protected by plaster skim, blockwork or timber panelling. Internal examination is not usually possible in occupied areas for safety reasons. If the structural integrity of a column cannot be guaranteed then access will not be attempted.
<b>Confined Spaces</b>	These will not be checked if safe access cannot be achieved.
<b>Electrical Boxes</b>	Live boxes are not checked for electrical safety reasons. Asbestos “flashpads” will not cause an immediate hazard to health if the boxes are opened however, if works are planned in such a box asbestos should be assumed to be present and the area inspected prior to the start of work
<b>External Areas</b>	Safe access such as scaffold is often required to inspect vertical elevations of a building.
<b>Fire doors</b>	Fire doors are often constructed from layers of timber with an internal “sandwich” of asbestos providing the fire rating. Such a layer is not visible unless the door is damaged or dismantled. Such doors are therefore assumed to contain asbestos.
<b>Floor Voids</b>	These range in size are not always referred to on building plans and are formed from floorboards, concrete slabs etc. Access may only be possible during Type 3 surveys (timber flooring) or during demolition.
<b>Heater Units</b>	Internal asbestos lining or blocks of insulation (or <i>millboard</i> ) can only be internally inspected when dismantled.
<b>Lift Shafts</b>	Doors and shaft may be lined with asbestos. Lift shafts will not be inspected internally without the supervision of a lift engineer familiar with the site and machinery.
<b>Mechanical Equipment</b>	Trapping and amputation hazards will prevent internal examination. Machinery may also be a sealed unit.
<b>Plaster Ceilings</b>	In the absence of inspection hatches (with safe access) sealed, or “solid”, plaster ceilings cannot normally be accessed without destructive techniques.
<b>Refrigerators, Cold Rooms, Safes and Kilns</b>	May contain asbestos insulation concealed by internal and external panels. Such material will not be apparent until dismantled.
<b>Restricted Access</b>	Client imposed “Secure Areas” will not be checked unless special arrangements have been made and will be excluded from the scope of the survey.
<b>Risers</b>	Internal inspection of a riser shafts can carry a high risk of fibre release an assessment of risk will therefore be made. Access out of hours in unoccupied areas may only be possible. Risers can be sealed using permanent panelling, boxing or brick and block work. Such risers will not be inspected without the use of destructive techniques. If not marked on building plans such risers may only be identified during demolition.
<b>Trunking/Ductwork</b>	Linings or gaskets not externally visible until the trunking is disassembled. Often found within ceiling voids (see above).
<b>Wall Cavities</b>	May be completely blocked or bricked in. Detected only if shown on building construction plans or during demolition.
<b>Windows</b>	Asbestos panels, mastics and woven gaskets may entirely surround windows, decorative finishes, plasterboard or glass normally protects such panels. These material can often only be inspected externally (See External Areas Above).

**Table 2 – Asbestos Installations**

<b>Installations</b>	<b>Description &amp; Possible Access Difficulties</b>
<b>Asbestos Materials Behind Known Asbestos</b>	Known ACMs may conceal other asbestos materials. A common example of this would be asbestos ceiling tiles, such an installation would not be disturbed for obvious safety reasons. The un-inspected void may have asbestos pipe insulation, debris, sprayed insulation and firebreaks. This additional material would not be.
<b>Debris</b>	An ACM in poor condition may result in small amounts of asbestos debris. This material may be difficult to identify as it would be mixed with mundane, non-asbestos debris. Asbestos debris can be found in any area where routine housekeeping is reduced (such as ceiling voids, wall cavities or risers) or in an area where asbestos removal has taken place in the past.
<b>Encapsulated Debris</b>	Small amounts of debris may have been painted over after historical removal works. Commonly found in plant rooms, adjacent structural joists, columns etc.
<b>Expansion Joints and Cement Sleeves</b>	Normally concealed by concrete shuttering. Only identifiable if noted on building plans or during demolition.
<b>Fire Break Boards</b>	Firebreaks normally constructed from asbestos panelling and present between 2 voids, above fire doors etc. The void itself may have restricted access or the panels themselves may have been sealed over using Supalux or plasterboard to increase fire ratings at a later date.
<b>Flange Gaskets</b>	Gaskets designed to form a seal between 2 flanges. Can be present in either a card or woven form fitted to pipes, vessels, boilers or air-conditioning. These items normally present a very low risk of fibre release. The gaskets would not normally be visible until the installation is dismantled. It is prudent to assume all gaskets in building built prior to 1999 contain asbestos.
<b>Floor Tiles</b>	Thermoplastic floor tiles and “stair-nosing” often contains asbestos either within the bonded material, or the adhesive. These items normally present a very low risk of fibre release. Floor tiles are often concealed beneath carpets or other more recent flooring. It is prudent to assume all floor tiles in building built prior to 1992 contain asbestos.
<b>Insulation - Thermal</b>	Commonly referred to as lagging is formed from asbestos fibre and a powdery binding material. This material is either applied wet or in pre-formed sections to pipes, boilers or vessels. As services of this type are often concealed within voids e.g. ceilings, walls, risers etc. (see above) they can often be difficult to identify. Thermal insulation is fragile often with neglect resulting in substantial debris (see above) to pipes etc. Lagging would often only be used to insulate sections of an otherwise non-asbestos pipe (e.g. elbows), or later insulation replacement is done piecemeal leaving small “random” sections of asbestos lagging. As with sprayed coating (later) representative samples, relative to the extent of the material, may be analysed and found to be MMMF, where in reality patches of asbestos lagging remain.
<b>Non-asbestos Insulated Services</b>	Non-asbestos insulation (e.g. MMMF or Cork) of plant may conceal residual asbestos lagging, asbestos paper or a thin “skim” of asbestos. It is not possible to check all surfaces unless the new insulation is removed. However, exposed sections, valves, etc. will be examined where possible.
<b>Plaster and Textured Coatings/Artex</b>	Textured coatings to walls, ceilings or structural beams etc. contained asbestos until the late 1990's. The material was rarely homogenous with the same application varying in concentration from 0% - 5% causing problems in identification.
<b>Roof Slates</b>	Or “artificial slates”, very similar in appearance to natural slates (see External Areas above).
<b>Roofing Felt/Damp Courses</b>	This material was known to contain very small concentrations of asbestos until 1992. As the product is utilised as waterproofing, sampling would only be completed if unlikely to damage the seal.
<b>Shuttering</b>	May be hidden by new walls, covered with wallpaper, painted or plastered over.
<b>Sprayed Coatings</b>	A very friable material formed from 90-100% asbestos fibre, used to fireproof steel-work, concrete etc. Such structural elements of a building are often concealed in voids e.g. ceiling voids (see above). Sprayed coatings were often used in patches or later replaced by a non-asbestos substitute. Consequently representative samples (relative to the extent of the material) may be analysed and found to be MMMF, where in reality patches of asbestos sprayed coating remains. The application procedure often resulted in “overspray” to adjacent areas. Such material can often be encapsulated with plaster (see Encapsulated Debris above). Sprayed Coating is fragile often with neglect resulting in substantial debris (see above).
<b>Wall Fixings</b>	A plugging material for wall fixings. Usually covered with wallpaper, painted or plastered over.
<b>Wall Panels</b>	Often covered with wallpaper, painted, or covered with hardboard/plasterboard.

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## Appendix D – Certificates



**ATHENA ENVIRONMENTAL SOLUTIONS LTD**  
 SUITE 3, SOPWITH HOUSE, HURRICANE WAY,  
 WICKFORD, ESSEX, SS11 8YU  
 Tel: 01268 761 171  
 Email: [info@athena-env.co.uk](mailto:info@athena-env.co.uk)



COMPANY REG NUMBER: 07376951  
 REGISTERED ADDRESS: AS ABOVE

4696

### CERTIFICATE OF IDENTIFICATION OF ASBESTOS FIBRES

<b>CERTIFICATE NUMBER:</b> ATH/17/11/0819	<b>SITE ADDRESS:</b> 4-6 HARDSHAW STREET, WA10 1RE		
<b>DATE SAMPLED:</b> 15/11/17	<b>SITE REFERENCE:</b> A-29413		
<b>DATE RECEIVED:</b> 17/11/17	<b>CLIENT:</b> MIC GROUP		
<b>DATE ANALYSED:</b> 17/11/17	<b>CLIENT ADDRESS:</b> DEVIRGO HOUSE, VALEPITS ROAD, GARRATS GREEN, BIRMINGHAM, B33 0TD		
<b>OBTAINED:</b> DELIVERED	<b>PHONE NUMBER:</b> 0121 784 7226		
<b>NUMBER OF SAMPLES:</b> 13			
<b>ANALYST NAME &amp; SIGNATURE:</b>	<i>S. Skinner</i> <i>SS</i>	<b>AUTHORISER NAME &amp; SIGNATURE:</b>	<i>A. Sheekey</i> <i>AS</i>
<b>COMMENTS:</b>			

### ATH/17/11/0819 RESULTS

SAMPLE NUMBER	CLIENT NUMBER	SAMPLE LOCATION	FIBRE TYPE DETECTED	COMMENTS
1	001	SECOND FLOOR KITCHEN – SINK PAD	NADIS	BITUMEN
2	002	FIRST FLOOR MEN'S W/C – INSULATION TO HANGER ABOVE SUSPENDED CEILING	CHRYSTOLE	CEMENT
3	003	FIRST FLOOR ROOM C,B,A & FIRST FLOOR RECEPTION – ROPES TO WINDOWS	NADIS	TEXTILE
4	004	GROUND FLOOR CORRIDOR CUPBOARD – PAPER TO WALL	NADIS	PAPER
5	005	GROUND FLOOR RECEPTION & GROUND FLOOR DISABLED TOILET – PANELS TO BEAM ABOVE SUSPENDED CEILING	NADIS	INSULATING BOARD
6	006	GROUND FLOOR RECEPTION – PANELS ABOVE WINDOW ABOVE SUSPENDED CEILING	NADIS	INSULATING BOARD
7	007	BASEMENT BOILER ROOM – DEBRIS TO WALL	NADIS	DEBRIS
8	008	BASEMENT BOILER ROOM – DEBRIS TO FLOOR	NADIS	DEBRIS
9	009	BASEMENT BOILER ROOM – DEBRIS TO BOILER	NADIS	DEBRIS
10	010	BASEMENT BOILER ROOM – ROPE TO BOILER	CHRYSTOLE	TEXTILE

KEY: CHRYSTOLE (WHITE ASBESTOS) - CROCIDOLITE (BLUE ASBESTOS) - AMOSITE (BROWN ASBESTOS)

NADIS (NO ASBESTOS DETECTED IN SAMPLE) - TREMOLITE, ANTHOPHYLLITE & ACTINOLITE (LESS COMMON ASBESTOS FIBRE TYPES)

Note: When a trace of asbestos fibres are reported this represents one or two fibres only

Note: The material type reported is an opinion of the analyst only and does not form part of the ATHENA UKAS accreditation.

Note: Samples will be kept for a minimum of 6 months.

Note: This Certificate of Identification of Asbestos Fibres can only be reproduced in full unless written approval from Athena has been obtained.

Note: If the sample condition or size is deemed unacceptable or unsatisfactory by the analyst, the client will be contacted.

Note: The results relate only to the items tested.

Samples have been analysed to determine the presence of asbestos fibres using Athena Environmental Solutions "in house" method of polarised light microscopy and central stop dispersion staining based on HSG 248. The site address and sample locations are given by the client and Athena are not responsible for the accuracy or competence of these details or of the sampling

BULK 001 VERSION 5 - 08/08/16

PAGE 1 OF 2

**ATH/17/11/0819 RESULTS**

**ATHENA ENVIRONMENTAL SOLUTIONS LTD**  
SUITE 3, SOPWITH HOUSE, HURRICANE WAY,  
WICKFORD, ESSEX, SS11 8YU  
Tel: 01268 761 171  
Email: [info@athena-env.co.uk](mailto:info@athena-env.co.uk)



COMPANY REG NUMBER: 07376951  
REGISTERED ADDRESS: AS ABOVE

4696

11	011	BASEMENT BOILER ROOM – PANEL TO DOOR	AMOSITE/CHRYSTILE	INSULATING BOARD
12	012	BASEMENT & BOILER ROOM – CEILING	NADIS	INSULATING BOARD
13	013	BASEMENT STAFF ROOM – SINK PAD	NADIS	BITUMEN

KEY: CHRYSTILE (WHITE ASBESTOS) - CROCIDOLITE (BLUE ASBESTOS) – AMOSITE (BROWN ASBESTOS)  
NADIS (NO ASBESTOS DETECTED IN SAMPLE) - TREMOLITE, ANTHOPHYLLITE & ACTINOLITE (LESS COMMON ASBESTOS FIBRE TYPES)

Note: When a trace of asbestos fibres are reported this represents one or two fibres only

Note: The material type reported is an opinion of the analyst only and does not form part of the ATHENA UKAS accreditation.

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BULK 001 VERSION 5-08/08/16

PAGE 2 OF 2

## Appendix E– Plans

