Wakefield College ASBESTOS REFURBISHMENT & DEMOLITION SURVEY INSPECTION REPORT

A Block Wakefield

HBI Offices

Reading Office
Parkside
Basingstoke Road
Spencers Wood
Berkshire RG7 1AE
Tel: +44 (0) 1189 889999
Fax: +44 (0) 1189 885599
Email: info@hbi.co.uk

Wakefield Office
Evans Business Centre
Monckton Road, Wakefield
West Yorkshire WF2 7AS
Tel: +44 (0) 1924 888166
Fax: +44 (0) 1189 885599
Email: info@hbi.co.uk

www.hbi.co.uk

www.RecordsForBuildings.com

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0224

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EXECUTIVE SUMMARY

1 Executive Summary - Materials

Sample No	Relevant Report Section	Location, Description	Result	Material Assessment Algorithm	Material Extent	HSE Licensable Material?
1	7.2.1	A417, 4th Floor Corridor, Face Boarding to Riser R1 Outside Room A408, Insulating Board	No Asbestos Detected	N/A	2m x 1m x 10mm	N/A
2	7.2.2	A406, 4th Floor Classroom, Bitumen Felt to External Side Walls Within Ceiling Void, Bitumen	**Chrysotile**	**4 - Very Low**	50m x 1m x 5mm	**No**
3	7.2.3	R2, 4th Floor Corridor Service Riser, Flue Pipe, Cement	**Chrysotile / Amosite**	**6 - Low**	50m x 0.5m x 10mm	**No**
4	7.2.4	LF1, Lift Shaft, DPC Within Brick Work On Basement Pit Level, Bitumen	**Chrysotile**	**3 - Very Low**	10m x 50mm x 5mm	**No**
5	7.2.5	Room A401, 4th Floor Classroom, Floor Under Carpets, Brown Vinyl Tiles	**Chrysotile**	**3 - Very Low**	5m x 5m x 5mm	**No**
6	7.2.6	Room A417, 4th Floor Corridor, Fire Break Above Far End Double Doors to Stairs ST2, Textile	**Chrysotile**	**7 - Medium**	4M x 1M x 5MM	**Yes**
7	7.2.7	Room A413, 4th Floor Classroom, Floor, Dark Grey Vinyl Tiles	**Chrysotile**	**3 - Very Low**	5m x 5m x 5mm	**No**
8	7.2.8	Room A410, 4th Floor Tank Room, Flue Pipe, Cement	**Chrysotile / Amosite**	**5 - Low**	50m x 0.5m x 10mm	**No**
9	7.2.9	Room A402, 4th Floor Classroom, DPC Under Window Sills, Bitumen	**Chrysotile**	**3 - Very Low**	50m x 100mm x 5mm	**No**
10	7.2.10	R5, 4th Floor Tank Room Riser In Corner, Pipe Work Insulation Lining, Paper	**Chrysotile**	**8 - Medium**	50m x 0.25m x 5mm	**Yes**

EXECUTIVE SUMMARY

Sample No	Relevant Report Section	Location, Description	Result	Material Assessment Algorithm	Material Extent	HSE Licensable Material?
11	7.2.11	LM1, Lift Motor Room, Soffit Boards to External Areas of Lift Motor Room, Insulating Board	**Crocidolite / Chrysotile**	**9 - Medium**	12m x 200mm x 10mm	**Yes**
12	7.2.12	RF1, Main Roof of A Block, Debris on Roof, Cement	**Chrysotile**	**6 - Low**	50m x 20m x 5mm	**No**
13	7.2.13	RF1, Main Roof of A Block, Flue Pipe Cowl, Cement	**Chrysotile / Amosite**	**6 - Low**	0.5m x 0.2m x 5mm	**No**
14	7.2.14	LM1, Lift Motor Room, Step Flashing to Roof Access Door, Bitumen Felt	**Chrysotile**	**4 - Very Low**	2mx 200mm x 10mm	**No**
15	7.2.15	LM1, Lift Motor Room, Floor Adhesive Residue, Bitumen	No Asbestos Detected	N/A	2mx 2m x 10mm	N/A
16	7.2.16	A306, 3rd Floor Lab, Floor Adhesive Under Timber, Bitumen	No Asbestos Detected	N/A	10m x 10m x 5mm	N/A
17	7.2.17	Room A306, 3rd Floor Lab, Rope Seals to Mobile Desk Top Ovens, Textile	**Chrysotile**	**6 - Low**	1m x 5mm	**No**
18	7.2.18	Room A306, 3rd Floor Lab, Door Lining Panels to Mobile Desk Top Ovens, Cement	**Chrysotile**	**5 - Low**	0.2m x 0.2m x 5mm	**No**
19	7.2.19	Room A306, 3rd Floor Lab, Damper Pad to Stainless Steel, Bitumen	No Asbestos Detected	N/A	200mm x 200mm x 5mm	N/A
20	7.2.20	Room A306, 3rd Floor Lab, Science Lab Mats, Cement	**Chrysotile**	**5 - Low**	Various Sizes	**No**
21	7.2.21	R2, Service Riser GF-4F, Debris Within Riser, Paper	**Chrysotile**	**9 - Medium**	20m x 5mm x 5mm	**Yes**
22	7.2.22	R2, Service Riser GF-4F, Pipe Insulation Lining, Paper	**Chrysotile**	**9 - Medium**	50m x 50mm x 5mm	**Yes**

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Sample No	Relevant Report Section	Location, Description	Result	Material Assessment Algorithm	Material Extent	HSE Licensable Material?
23	7.2.23	R3, Service Riser GF-4F, Pipe Insulation Lining, Paper	**Chrysotile**	**9 - Medium**	50m x 50mm x 5mm	**Yes**
24	7.2.24	ST2, GF Lobby of Stairwell, Mable Floor Expansion Joint, Bitumen	No Asbestos Detected	N/A	100m x 5mm x 5mm	N/A
25	7.2.25	K1, GF Kitchen, Damper Pads to Prep Tables, Bitumen	**Chrysotile**	**3 - Very Low**	1m x 0.2m x 5mm	**No**
27	7.2.26	FC1, GF Food Court, Ceiling Void Main Beams, Insulating Board	**Chrysotile**	**8 - Medium**	40m x 40m x 5mm	**Yes**
28	7.2.27	FC1, GF Food Court, Ceiling Void Tops of Beams, Insulating Board	**Chrysotile**	**8 - Medium**	40m x 40m x 5mm	**Yes**
29	7.2.28	FC1, GF Food Court, Floor Under Modern Vinyl, Bitumen Rock Ash Felt	No Asbestos Detected	N/A	40m x 40m x 10mm	N/A
30	7.2.29	FC1, GF Food Court, Floor Under Modern Vinyl, Bitumen Adhesive Under Timber Floor	No Asbestos Detected	N/A	40m x 40m x 10mm	N/A
31	7.2.30	Rooms A301, 302, 308, 312, 3rd Floor Labs, Light Beige Floor Tiles, Vinyl	**Chrysotile**	**2 - Very Low**	6.5x7m	**No**
32	7.2.31	Room R1, 3rd Floor Riser/Cupboard, Teal Floor Tiles, Vinyl	No Asbestos Detected	N/A	0.5x1m	N/A
33	7.2.32	Room R1, 3rd Floor Riser/Cupboard, Floor Tiles, Vinyl	No Asbestos Detected	N/A	1x1m	N/A
34	7.2.33	Room A330, 3rd Floor Corridor, Brown/Beige Floor Tiles, Vinyl	No Asbestos Detected	N/A	4.5x40m	N/A
35	7.2.34	Room A309, 3rd Floor Prep Room, Dark Green Floor Tiles, Vinyl	No Asbestos Detected	N/A	2x5m	N/A

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Sample No	Relevant Report Section	Location, Description	Result	Material Assessment Algorithm	Material Extent	HSE Licensable Material?
36	7.2.35	Room R2, 3rd Floor Riser, Floor Tiles, Vinyl	No Asbestos Detected	N/A	1x0.25m	N/A
37	7.2.36	Room A330, 3rd Floor Corridor Ceiling Void, Fire Blanket Above Double Doors to Stairwell ST2, Textile	**Chrysotile**	**6 - Low**	3M X 1M X 5MM	**Yes**
38	7.2.37	Room A330, 3rd Floor Corridor Ceiling Void, Pipe Work Insulation Lining, Paper	**Chrysotile**	**9 - Medium**	10m x 1m x 5mm	**Yes**
39	7.2.38	Rooms A301, 302, 303, 304, 3rd Floor Lab, Damper Pad Beneath Sink, Bitumen Felt	No Asbestos Detected	N/A	2 no.	N/A
40	7.2.39	Room A330, 3rd Floor Corridor Ceiling Void, Pipe Work Insulation Lining, Paper	**Chrysotile**	**6 - Low**	10m x 1m x 5mm	**Yes**
41	7.2.40	Room A330, 3rd Floor Corridor Ceiling Void, Pipe Work Insulation Lining, Paper Debris	**Chrysotile**	**6 - Low**	10m x 1m x 5mm	**Yes**
42	7.2.41	Room R3, Service Riser GF-4F, Pipe Insulation Lining, Paper Debris	**Chrysotile**	**9 - Medium**	20m x 5mm x 5mm	**Yes**
43	7.2.42	Rooms A330b, 313-319, male & female WC, 3rd Floor Classrooms, Corridors and Toilets, Taupe Floor Tiles, Vinyl	**Chrysotile**	**2 - Very Low**	Throughout	**No**
44	7.2.43	Rooms A320, 321, 322, 3rd Floor Classroom & Offices, Grey Floor Tiles, Vinyl	**Chrysotile**	**2 - Very Low**	6x4m & 4x2.5 x2	**No**
45	7.2.44	Room M1, 3rd Floor Female WC, Seal to Skylights, Mastic	**Chrysotile**	**3 - Very Low**	5m x 10mm x 5mm	**No**

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Sample No	Relevant Report Section	Location, Description	Result	Material Assessment Algorithm	Material Extent	HSE Licensable Material?
46	7.2.45	Room R7, Service Riser, Flue Pipe, Cement	**Amosite / Chrysotile**	**6 - Low**	15m x 100mm x 5mm	No
47	7.2.46	Room R7, Service Riser, Flue Pipe Joint Seal, Cement	**Amosite / Chrysotile**	**6 - Low**	1m x 10mm x 5mm	No
48	7.2.47	Room A218, 2nd Floor Office, Floor Tiles, Vinyl	**Chrysotile**	**2 - Very Low**	6m x 6m	No
49	7.2.48	Room A210, 2nd Floor Office, Red Floor Tiles, Vinyl	No Asbestos Detected	N/A	3m x 3m	N/A
50	7.2.49	Rooms A201-204, 2nd Floor Staff Rooms & Class rooms, Bitumen adhesive to parquet flooring, Bitumen	No Asbestos Detected	N/A	6m x 50m	N/A
51	7.2.50	CV1, Ceiling Void Above GF Reception and Offices, Debris, Insulating Board	**Amosite / Chrysotile**	**9 - Medium**	40m x 20m x 5mm	Yes
52	7.2.51	Room C1, GF Corridor, Grey Floor Tiles, Vinyl	**Chrysotile**	**2 - Very Low**	5m x 30m²	No
53	7.2.52	Room C1, GF Corridor, Cream Floor Tiles, Vinyl	**Chrysotile**	**2 - Very Low**	5m x 30m²	No
54	7.2.53	Room C1, GF Corridor, Red Floor Tiles, Vinyl	**Chrysotile**	**2 - Very Low**	5m x 30m²	No
55	7.2.54	Room 2h, 2g, 2j, GF Toilets, Bitumen adhesive under lino, Bitumen	**Chrysotile**	**2 - Very Low**	4m x 5m	No
56	7.2.55	Room WA009, GF Offices, Bitumen adhesive to Parquet floor, Bitumen	No Asbestos Detected	N/A	18m x12m	N/A
57	7.2.56	R4, GF-4th Floor Service Riser, Pipe Insulation Lining, Paper	**Chrysotile**	**8 - Medium**	50m x 2m x 5mm	Yes
58	7.2.57	R4, GF-4th Floor Service Riser, Pipe Insulation Lining Debris, Paper	**Chrysotile**	**8 - Medium**	50m x 2m x 5mm	Yes

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Sample No	Relevant Report Section	Location, Description	Result	Material Assessment Algorithm	Material Extent	HSE Licensable Material?
59	7.2.58	A230, 2nd Floor Corridor Ceiling Void, Fire Break Above Stairwell Double Doors, Textile	**Chrysotile**	**7 - Medium**	4m x 1m x 10mm	**Yes**
60	7.2.59	A230, 2nd Floor Ceiling Void, Pipe Insulation Lining, Paper	**Chrysotile**	**7 - Medium**	50m x 5m x 5mm	**Yes**
61	7.2.60	Room A205, 2nd Floor Office, Bottom Shelf to Fume Cupboard F1, Cement	**Chrysotile**	**5 - Low**	1m x 1m x 20mm	**No**
62	7.2.61	Room A205, 2nd Floor Office, Top Shelf to Fume Cupboard F1, Insulating Board	**Amosite / Chrysotile**	**6 - Low**	1m x 1m x 20mm	**Yes**
63	7.2.62	Room A205, 2nd Floor Office, Bottom Shelf to Fume Cupboard F2, Cement	**Chrysotile**	**5 - Low**	1m x 1m x 20mm	**No**
64	7.2.63	Room A205, 2nd Floor Office, Top Shelf to Fume Cupboard F2, Cement	**Chrysotile**	**5 - Low**	1m x 1m x 20mm	**No**
65	7.2.64	V1, 4th Floor Wall Void, Debris, Insulating Board	**Crocidolite / Chrysotile**	**10 - High**	8m x 3m x 0.5m	**Yes**
66	7.2.65	Room V1, 4th floor wall void, DPC, Bitumen Felt	No Asbestos Detected	N/A	10m x 2m x 5mm	N/A
67	7.2.66	Room A150a, 1st Floor Lift Lobby Corridor, Floor Under Carpets & Timber, Bitumen Adhesive	No Asbestos Detected	N/A	5m x 5m x 5mm	N/A
68	7.2.67	Room A160-A162, 1st Floor Offices, Floor Under Carpets & Timber, Blue Floor Tiles	**Chrysotile**	**3 - Very Low**	10m x 5m x 5mm	**No**
69	7.2.68	Room A150a, 1st Floor Corridor Ceiling Void, Pipe Insulation Lining, Paper	**Chrysotile**	**6 - Low**	20m x 3m x 5mm	**Yes**

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Sample No	Relevant Report Section	Location, Description	Result	Material Assessment Algorithm	Material Extent	HSE Licensable Material?
70	7.2.69	Room A150a & A150, 1st Floor Ceiling Voids, Fire Blankets, Textile	**Chrysotile**	**7 - Medium**	4m x 1m x 5mm	**Yes**
71	7.2.70	Room A114, 1st Floor Classroom, Ceiling Void Fire Boarding, Insulating Board	No Asbestos Detected	N/A	30m x 2m x 5mm	N/A
72	7.2.71	Room R6, GF-1F Service Riser, Fire Break Boarding, Insulating Board	No Asbestos Detected	N/A	30m x 2m x 5mm	N/A
73	7.2.72	Room R6, GF Service Riser Entrance Door, Door Lining, Insulating Board	No Asbestos Detected	N/A	2m x 1m x 10mm	N/A
As 1	7.2.73	A417, 4th Floor Corridor, Face Boarding to Riser R2 Outside Room A406, Insulating Board	No Asbestos Detected.	N/A	2m x 1m x 10mm	N/A
As 10	7.2.74	R4, Service Riser Next To Lift Shaft, Lining to Pipe Insulation, Paper	**Strongly Presumed to contain Chrysotile**	**9 - Medium**	100m x 1m x 5mm	**Yes**
As 16	7.2.75	Rooms A303, A304 & A304, 3rd Floor Labs, Floor Adhesive Under Timber, Bitumen	No Asbestos Detected.	N/A	30m x 10m x 5mm	N/A
As 37	7.2.76	Room A330, 3rd Floor Corridor Ceiling Void, Fire Blanket Above Double Doors to Stairwell ST2, Textile	**Strongly Presumed to contain Chrysotile**	**6 - Low**	3M X 1M X 5MM	**Yes**
As 48	7.2.77	Room A214a, 2nd Floor Kitchen/Store, Floor Tiles, Vinyl	**Strongly Presumed to contain Chrysotile**	**2 - Very Low**	2x3m	**No**
As 48	7.2.78	Room A215, 2nd Floor Meeting Room, Floor Tiles, Vinyl	**Strongly Presumed to contain Chrysotile**	**2 - Very Low**	2x3.5m	**No**

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Sample No	Relevant Report Section	Location, Description	Result	Material Assessment Algorithm	Material Extent	HSE Licensable Material?
As 48	7.2.79	Room A230a, 2nd Floor Corridor, Floor Tiles, Vinyl	**Strongly Presumed to contain Chrysotile**	**2 - Very Low**	2x30m	**No**
As 48	7.2.80	Room A213, 2nd Floor Server Room, Floor Tiles, Vinyl	**Strongly Presumed to contain Chrysotile**	**2 - Very Low**	2x3m	**No**
As 52	7.2.81	Room C2a, GF Finance Office, Grey Floor Tiles, Vinyl	**Strongly Presumed to contain Chrysotile**	**2 - Very Low**	5x9m²	**No**
As 56	7.2.82	Room 001 & 001a, GF Principals Office, Bitumen Adhesive to Parquet floor, Bitumen	No Asbestos Detected.	N/A	12x6m	N/A
As 59	7.2.83	A230, 2nd Floor Corridor Ceiling Void, Fire Break Above Corridor Double Doors, Textile	**Strongly Presumed to contain Chrysotile**	**7 - Medium**	4m x 1m x 10mm	**Yes**
As 59	7.2.84	Room A205, 2nd Floor Office, Fire Blanket Above Ceiling, Textile	**Strongly Presumed to contain Chrysotile**	**6 - Low**	4m x 1m x 5mm	**Yes**
As 59	7.2.85	A230, 2nd Floor Corridor Ceiling Void, Fire Break Above Far End Stairwell Double Doors, Textile	**Strongly Presumed to contain Chrysotile**	**7 - Medium**	4m x 1m x 10mm	**Yes**
As 6	7.2.86	Room A417, 4th Floor Corridor, Fire Break Above Middle Mains Double Doors to Stairs ST1, Textile	**Strongly Presumed to contain Chrysotile**	**7 - Medium**	4M X 1M X 5MM	**Yes**
As 67	7.2.87	Room A117, 1st Floor Classroom, Floor Under Carpets & Timber, Bitumen Adhesive	No Asbestos Detected.	N/A	30m x 5m x 5mm	N/A

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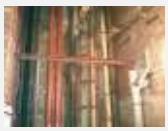
Sample No	Relevant Report Section	Location, Description	Result	Material Assessment Algorithm	Material Extent	HSE Licensable Material?
As 67	7.2.88	Room A101a, A102,A102a,A103, 1st Floor Classrooms, Floor Under Carpets & Timber, Bitumen Adhesive	No Asbestos Detected.	N/A	30m x 5m x 5mm	N/A
As 67	7.2.89	Room A116, 1st Floor Classroom, Floor Under Carpets & Timber, Bitumen Adhesive	No Asbestos Detected.	N/A	30m x 5m x 5mm	N/A
As 67	7.2.90	Room A116a, 1st Floor Server Room, Floor Under Carpets & Timber, Bitumen Adhesive	No Asbestos Detected.	N/A	30m x 5m x 5mm	N/A
As 70	7.2.91	Room A150, 1st Floor Ceiling Voids, Fire Blankets in Ceiling Void, Textile	**Strongly Presumed to contain Chrysotile**	**7 - Medium**	4m x 1m x 5mm	**Yes**
SP1	7.2.92	LM1, Lift Motor Room, Brake Pads On Lift Motor, Cement	**Strongly Presumed to Contain Chrysotile**	**4 - Very Low**	200mx 200m x 10mm	**No**

The analyses of the bulk samples are discussed in more detail in the following sections of this report. Calculation of the Material Assessment Algorithm is detailed in Section 8 and our Recommendations are presented in Section 9.

2 Executive Summary – Presumed Areas

The following areas could not be accessed on the day of the survey and therefore must be presumed to contain asbestos. HBI strongly recommend that these areas be revisited and surveyed in order to confirm whether or not asbestos is present.

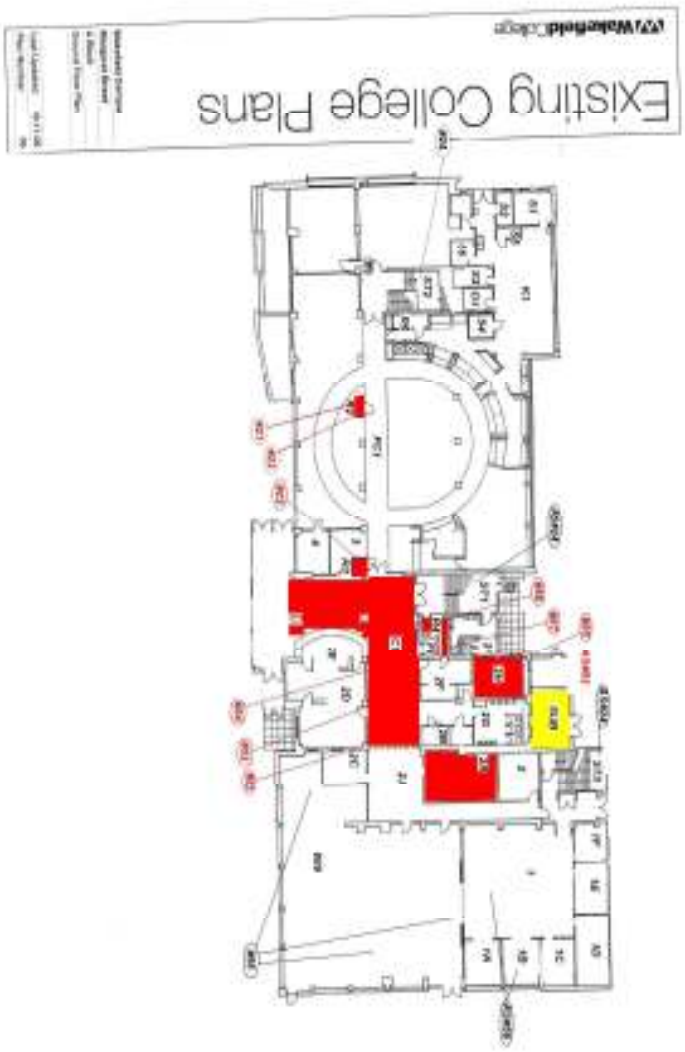
Area Presumed	Reason	Refer to Image
CV1, Ceiling Void Above GF Reception And Offices	Limited access above ceilings due to ACM debris within void, sample 51	
GF - 4F, All Service Risers and Floor Ducts	Limited time and access into all service risers & floor ducts due to the high damaged content of ACMs	
GF - 4F, Ceiling Voids	Limited access within all ceiling voids due to the high content of ACMs within the voids and the damage to the ACMs	
Room R1, 4th Corridor Riser	Possible Asbestos Insulating Board To Face Walls Making Assess Within Restricted, but accessed on other floors	
Room R2, 4th Corridor Riser	Possible Asbestos Insulating Board To Face Walls Making Assess Within Restricted, but accessed on other floors.	

3 Executive Summary – Plans

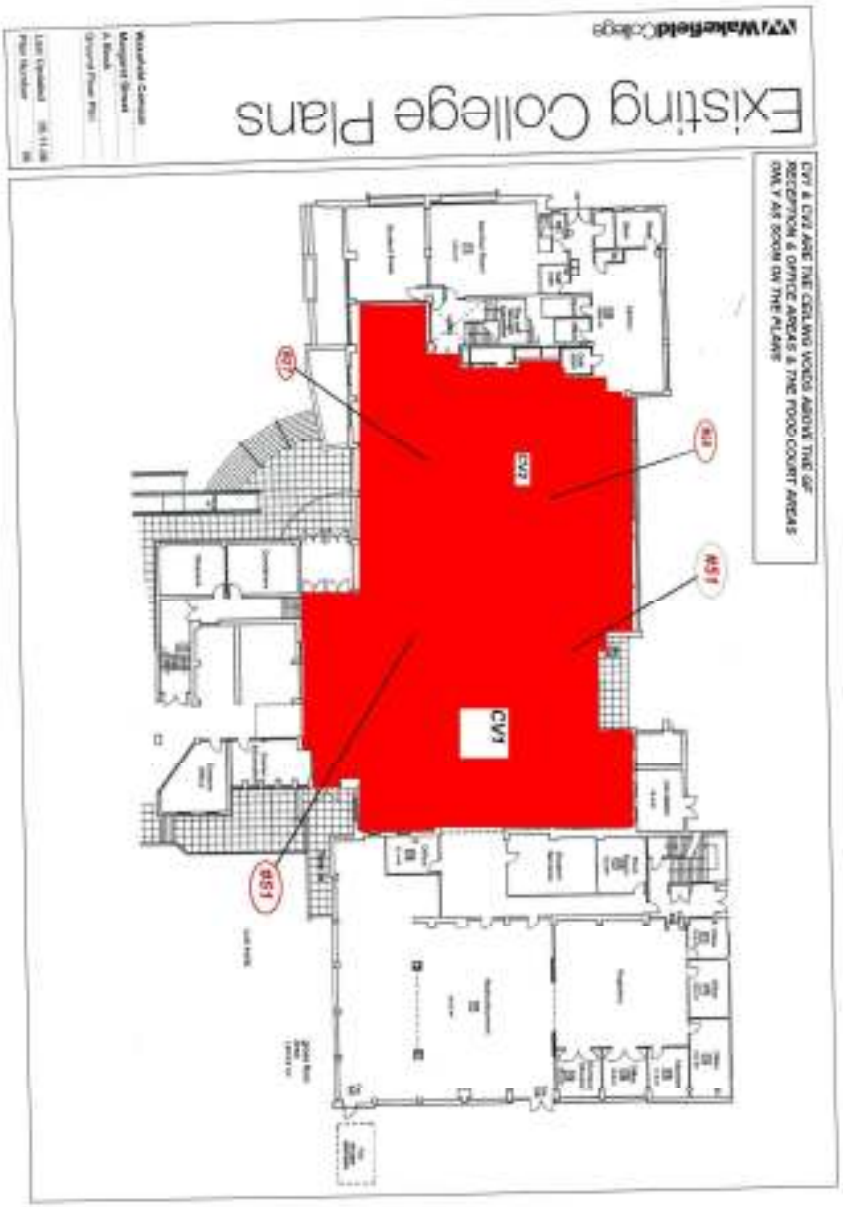
Where floor plans have not been provided by the client as requested, HBI have hand drawn the plans for the purpose of this survey. It must be noted that any hand drawn plans below can not be guaranteed for accuracy.

Key

# Room Number	←(#) Sample Location
Asbestos Identified	
Area Presumed based on access restrictions	



EXECUTIVE SUMMARY



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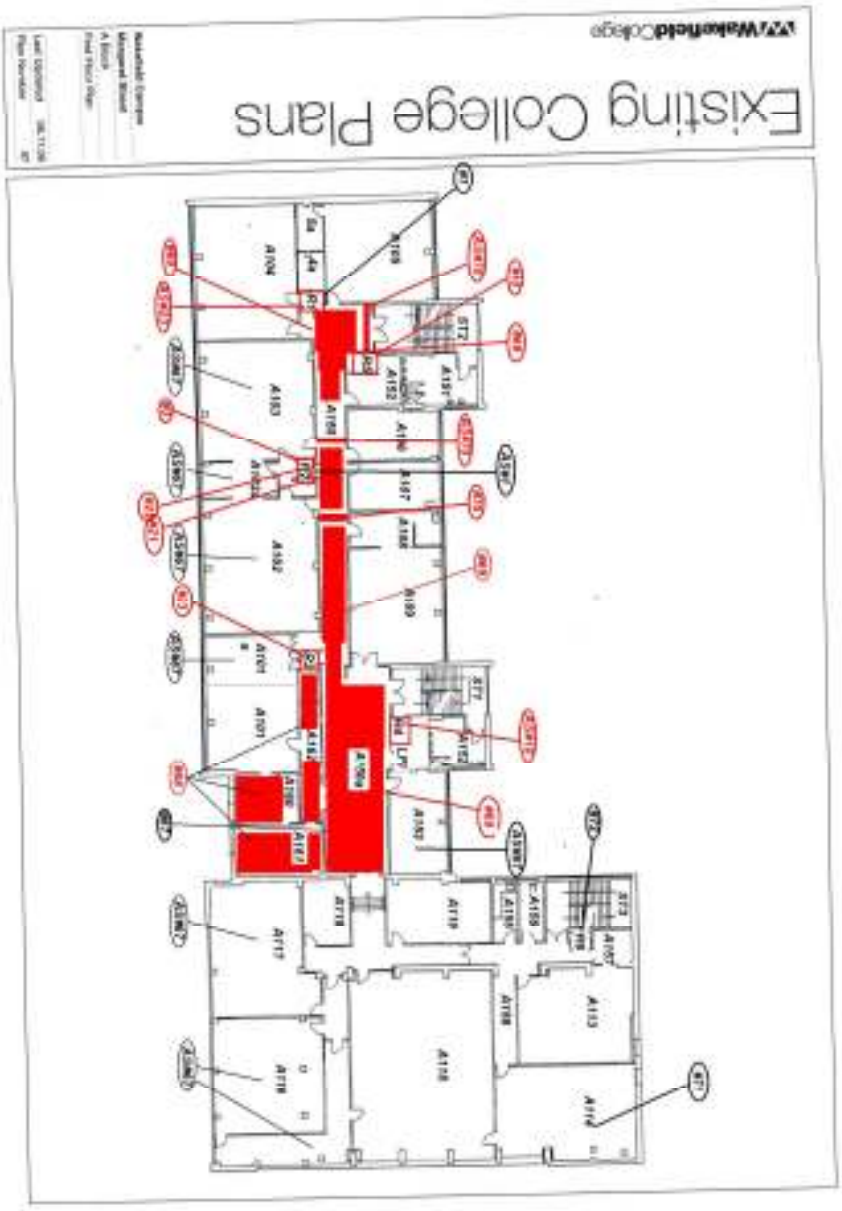

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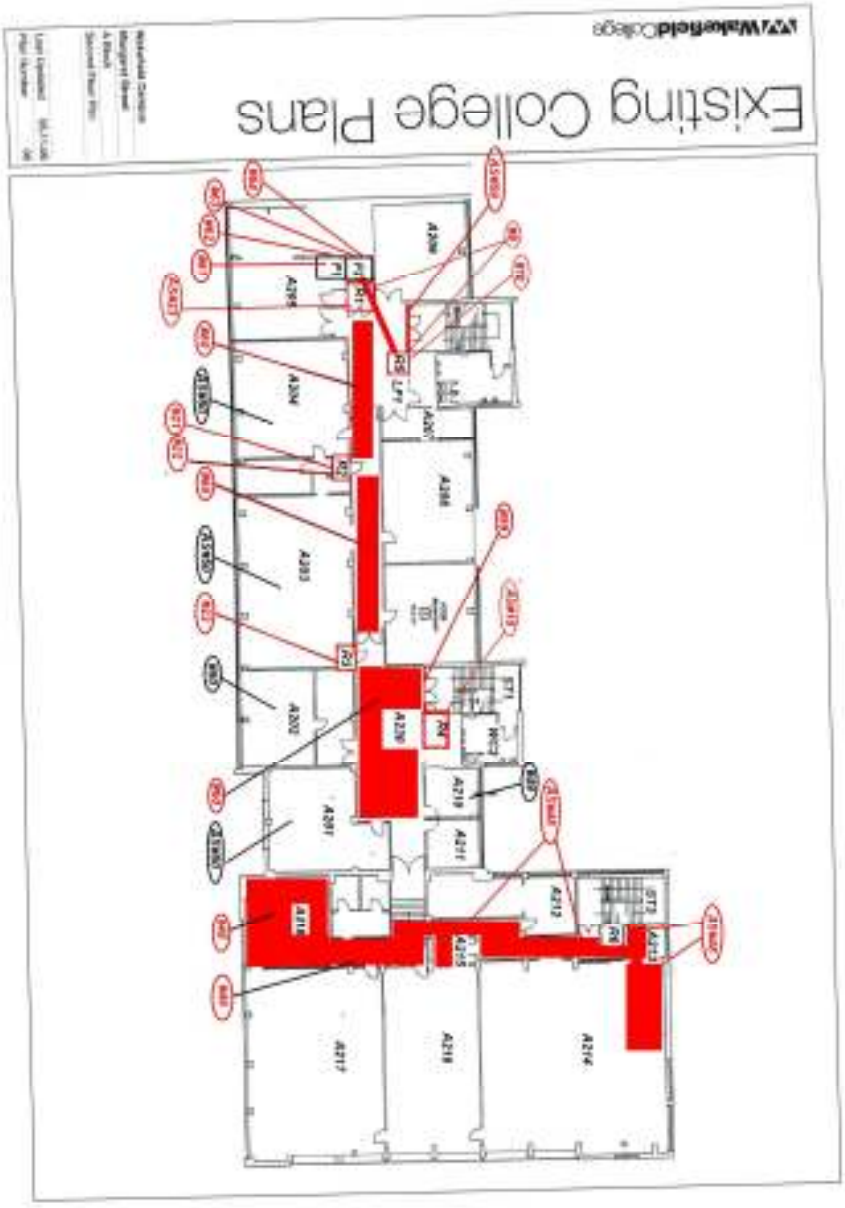

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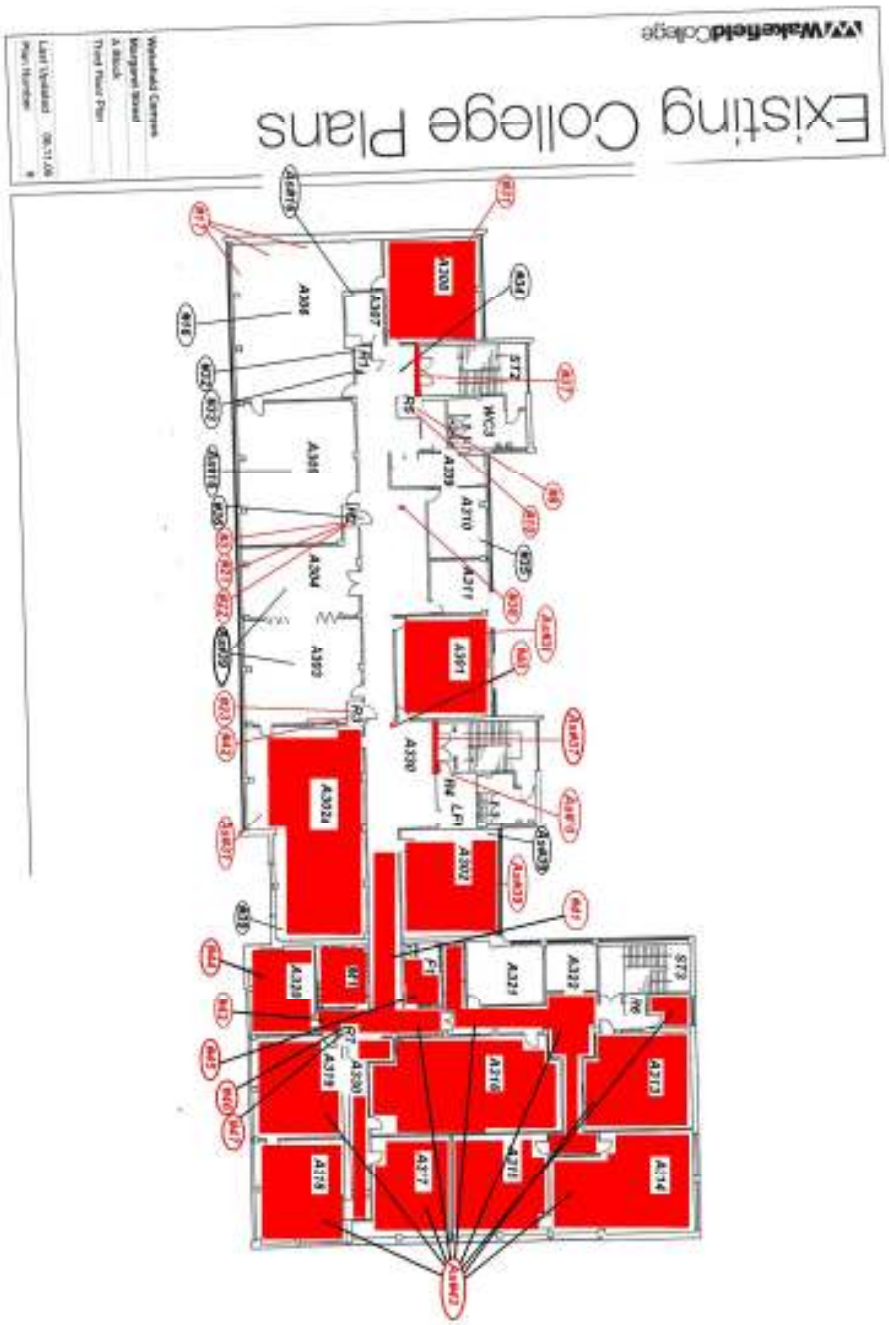

EXECUTIVE SUMMARY

4 Introduction

Site Name:	**A Block**
Client:	**Wakefield College**
Lead Surveyor:	Stuart Walker
Survey Date:	25 February 2013
Report Quality Approval:	Stuart Walker
Report Approval Date:	17 March 2013

This inspection was carried out as a Refurbishment and Demolition Survey as defined by HSG 264 Asbestos: The Survey Guide and Healthy Buildings International documented in-house Standard Operating Procedures. This is an intrusive survey, undertaken to determine so far as is reasonably practicable the full extent of asbestos materials within the building or site. All areas where access is readily available (including areas accessible using hand tools and ladders) were inspected. All suspect materials were sampled in accordance with the 'Asbestos: The analysts' guide for sampling analysis and clearance procedures' HSG248, unless otherwise instructed.

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The precise scope of all areas surveyed is detailed in section 6.2.

Where possible, materials not sampled will be strongly presumed to be the same as other comparable materials sampled during the survey. This will be undertaken in the form of a reference system, where identical materials are cross-referred to the original sample, i.e.; ‘As 5’ refers to sample 5. If a material is not sampled and a similar product has not been sampled in the survey, the most likely asbestos type has been determined according to the consultant’s experience, together with published reference tables in HSG 264 Asbestos: The Survey Guide. In all cases, where a number of scenarios are possible, the ‘worst case’ will be assumed.

Samples for analysis were submitted to Bradley Environmental Ltd, Parkway House, Wakefield Road, Ossett, West Yorkshire, who are UKAS accredited in the appropriate methodology and staffed by technicians trained and experienced in accepted procedures. The laboratory report was issued by Allison Shaw on the 28 February 2013.

INTRODUCTION

Under the guidance given in HS(G) 248, laboratories are no longer able to give guidance, on asbestos percentages of samples submitted, under their UKAS accreditation. Interpretations given by some laboratories are therefore not accredited and should be used for guidance purposes only. Any samples detailed within this report will have their asbestos type identified. Further information taken from HSG 264 Asbestos: The Survey Guide can be referenced in the standards and abbreviations section of this report.

A full Material Assessment is provided in the written report for each item found to contain asbestos, presumed or strongly presumed to contain asbestos. Also included are recommendations for possible remedial action, however it should be pointed out that these are included as useful information only, as **under the Control of Asbestos Regulations, the Duty Holder is required to carry out the full Risk Assessment**. This is because the HSE require a more detailed knowledge of each of the areas sampled and surveyed than the person undertaking this survey would be expected to have. The Duty Holder should therefore use their detailed knowledge of the premises together with the Material Assessment contained within this document to produce the full Risk Assessment and Management Plan. This applies to Refurbishment and Demolition Surveys where there is a significant time delay before the building is to be demolished or refurnished. HBI would however, be pleased to assist in this matter, as appropriate.

The investigation was carried out in a professional manner by experienced personnel. The extent of the survey was, however, bound by the limits of intrusive surveying, which precludes any major physical damage to **structural** building elements. Asbestos containing materials may be present in locations other than those considered in this report. The presence of asbestos will, therefore, be reported to the best of our ability within the constraints of these intrusive methods.

Healthy Buildings International have made a judgement on whether the asbestos containing materials identified within this report are deemed licensable or non-licensable as defined in The Control of Asbestos Regulations, 2012. These views should be taken for guidance purposes only and it must be borne in mind that the revised regulations now take a risk-based approach when assessing whether or not Asbestos Containing Materials are considered licensable. Hence, suitable risk assessments should be undertaken prior to any removal works, with a decision made on whether the materials are considered licensable or not based on the outcome of the risk assessment. This must take into account issues such as control measures in place, the use of power tools, and techniques used for removal. This must also assess whether works are considered to be of a low intensity and sporadic exposure nature (whether control limits are likely to be exceeded).

5 Regulatory Requirements

The Control of Asbestos Regulations (2012) place a number of further requirements upon the duty holder, in addition to undertaking this survey. These include (but are not limited to) the following, which **must be undertaken**;

- **If the building is to remain in use sometime prior to demolition, the Duty Holder is required to carry out a full Risk Assessment, including individual management plans for each asbestos material identified (*Regulation 4*).**

- **Every employer shall prevent the exposure of his employees to asbestos so far as is reasonably practicable. (*Regulation 11*)**

- **Every employer shall prevent or, where this is not reasonably practicable, reduce to the lowest level reasonably practicable, the spread of asbestos from any place where work under his control is carried out. (*Regulation 16)***

It is also a requirement that;

- **Every employer shall ensure that adequate information, instruction and training is given to those of his employees…. (*Regulation 10*) -** This includes asbestos awareness training for persons who are likely to disturb asbestos while carrying out their normal everyday work, or who may influence how work is carried out.

Healthy Buildings International would be happy to offer further assistance in any of the above areas should it be required. **For guidance on the correct use of this asbestos survey, please contact Healthy Buildings International, who can offer guidance and training.**

6 General Description

6.1 General Building Information

Building Name:	A Block
Building Address:	Margaret Street Campus, Wakefield
Building Use:	Education
Number of Floors:	4
Number of Basements:	1
Estimated No of Occupants:	500
Estimated Age:	1960s
Building Occupancy:	Occupied on a daily basis

6.2 Scope of Survey

6.2.1 Access Techniques

Restrictions were placed on the survey team by the client that requested a less-damaging approach to intrusive surveying (i.e. the area was to be re-occupied soon after the survey or the destructive nature of the survey was requested to be minimised).

Full access inspection was therefore undertaken as comprehensively as was reasonably practicable under these circumstances and employed less-damaging methods of intrusive access such as using borescopes and endoscopes for cavity inspection etc. Given the restrictions on the survey methods therefore, no guarantee can be given that all ACMs will have been identified during this survey.

We therefore advise that any suspected ACM's encountered during any subsequent refurbishment work and not discounted in Appendix 6 of this report should be treated as containing asbestos until confirmed otherwise. Furthermore, we recommend that checks be made to ensure that all Operatives employed in the refurbishment/demolition works have had full and suitable asbestos awareness training and that they are made fully aware of the limitations of the survey before any works are commenced.

6.2.2 Areas Surveyed

Healthy Buildings International undertook a Refurbishment and Demolition Survey within all the areas of the building apart from the basement level.

7 Results of Analyses

Various samples of suspect building materials were taken for subsequent laboratory testing. All testing was carried out in laboratories qualified and accredited to perform such tests, by Technicians trained and experienced in accepted procedures. The specific methods used are referenced where appropriate.

Estimates of asbestos content outside the laboratories scope of accreditation as per UKAS guidance under HS(G) 248. Further detail is however provided by Healthy Buildings International, taken from HSG 264 Asbestos: The Survey Guide for informative purposes only, in the “Standards and Abbreviations” section of this report.

RESULTS OF ANALYSES

7.1 Examination of Bulk Samples

OBJECTIVE To establish the presence of asbestos materials in various bulk samples.

METHOD Sampling of bulk samples with subsequent examination using Polarised and Dispersion Staining Microscopy.

RESULTS

Sample No	Location, Description and Area	Result
1	A417, 4th Floor Corridor, Face Boarding to Riser R1 Outside Room A408, Insulating Board	No Asbestos Detected
2	A406, 4th Floor Classroom, Bitumen Felt to external side walls within ceiling void, Bitumen	**Chrysotile**
3	R2, 4th Floor Corridor Service Riser, Flue Pipe, Cement	**Chrysotile / Amosite**
4	LF1, Lift Shaft, DPC Within brick work on basement pit level, Bitumen	**Chrysotile**
5	Room A401, 4th Floor Classroom, Floor Under Carpets, Brown Vinyl Tiles	**Chrysotile**
6	Room A417, 4th Floor Corridor, Fire Break Above Far End Double Doors to Stairs ST2, Textile	**Chrysotile**
7	Room A413, 4th Floor Classroom, Floor, Dark Grey Vinyl Tiles	**Chrysotile**
8	Room A410, 4th Floor Tank Room, Flue Pipe, Cement	**Chrysotile / Amosite**
9	Room A402, 4th Floor Classroom, DPC Under Window Sills, Bitumen	**Chrysotile**
10	R5, 4th Floor Tank Room Riser In Corner, Pipe Work Insulation Lining, Paper	**Chrysotile**
11	LM1, Lift Motor Room, Soffit Boards to External Areas of Lift Motor Room, Insulating Board	**Crocidolite / Chrysotile**

RESULTS OF ANALYSES

12	RF1, Main Roof of A Block, Debris on Roof, Cement	**Chrysotile**
13	RF1, Main Roof of A Block, Flue Pipe Cowl, Cement	**Chrysotile / Amosite**
14	LM1, Lift Motor Room, Step Flashing to Roof Access Door, Bitumen Felt	**Chrysotile**
15	LM1, Lift Motor Room, Floor Adhesive Residue, Bitumen	No Asbestos Detected
16	A306, 3rd Floor Lab, Floor Adhesive Under Timber, Bitumen	No Asbestos Detected
17	Room A306, 3rd Floor Lab, Rope Seals to Mobile Desk Top Ovens, Textile	**Chrysotile**
18	Room A306, 3rd Floor Lab, Door Lining Panels to Mobile Desk Top Ovens, Cement	**Chrysotile**
19	Room A306, 3rd Floor Lab, Damper Pad to Stainless Steel, Bitumen	No Asbestos Detected
20	Room A306, 3rd Floor Lab, Science Lab Mats, Cement	**Chrysotile**
21	R2, Service Riser GF-4F, Debris Within Riser, Paper	**Chrysotile**
22	R2, Service Riser GF-4F, Pipe Insulation Lining, Paper	**Chrysotile**
23	R3, Service Riser GF-4F, Pipe Insulation Lining, Paper	**Chrysotile**
24	ST2, GF Lobby of Stairwell, Mable Floor Expansion Joint, Bitumen	No Asbestos Detected
25	K1, GF Kitchen, Damper Pads to Prep Tables, Bitumen	**Chrysotile**
27	FC1, GF Food Court, Ceiling Void Main Beams, Insulating Board	**Chrysotile**
28	FC1, GF Food Court, Ceiling Void Tops of Beams, Insulating Board	**Chrysotile**
29	FC1, GF Food Court, Floor Under Modern Vinyl, Bitumen Rock Ash Felt	No Asbestos Detected

RESULTS OF ANALYSES

30	FC1, GF Food Court, Floor Under Modern Vinyl, Bitumen Adhesive Under Timber Floor	No Asbestos Detected
31	Rooms A301, 302, 308, 312, 3rd Floor Labs, Light Beige Floor Tiles, Vinyl	**Chrysotile**
32	Room R1, 3rd Floor Riser/Cupboard, Teal Floor Tiles, Vinyl	No Asbestos Detected
33	Room R1, 3rd Floor Riser/Cupboard, Floor Tiles, Vinyl	No Asbestos Detected
34	Room A330, 3rd Floor Corridor, Brown/Beige Floor Tiles, Vinyl	No Asbestos Detected
35	Room A309, 3rd Floor Prep Room, Dark Green Floor Tiles, Vinyl	No Asbestos Detected
36	Room R2, 3rd Floor Riser, Floor Tiles, Vinyl	No Asbestos Detected
37	Room A330, 3rd Floor Corridor Ceiling Void, Fire Blanket Above Double Doors to Stairwell ST2, Textile	**Chrysotile**
38	Room A330, 3rd Floor Corridor Ceiling Void, Pipe Work Insulation Lining, Paper	**Chrysotile**
39	Rooms A301, 302, 303, 304, 3rd Floor Lab, Damper Pad Beneath Sink, Bitumen Felt	No Asbestos Detected
40	Room A330, 3rd Floor Corridor Ceiling Void, Pipe Work Insulation Lining, Paper	**Chrysotile**
41	Room A330, 3rd Floor Corridor Ceiling Void, Pipe Work Insulation Lining, Paper Debris	**Chrysotile**
42	Room R3, Service Riser GF-4F, Pipe Insulation Lining, Paper Debris	**Chrysotile**
43	Rooms A330b, 313-319, male & female WC, 3rd Floor Classrooms, Corridors and Toilets, Taupe Floor Tiles, Vinyl	**Chrysotile**
44	Rooms A320, 321, 322, 3rd Floor Classroom & Offices, Grey Floor Tiles, Vinyl	**Chrysotile**

RESULTS OF ANALYSES

45	Room M1, 3rd Floor Female WC, Seal to Skylights, Mastic	**Chrysotile**
46	Room R7, Service Riser, Flue Pipe, Cement	**Amosite / Chrysotile**
47	Room R7, Service Riser, Flue Pipe Joint Seal, Cement	**Amosite / Chrysotile**
48	Room A218, 2nd Floor Office, Floor Tiles, Vinyl	**Chrysotile**
49	Room A210, 2nd Floor Office, Red Floor Tiles, Vinyl	No Asbestos Detected
50	Rooms A201-204, 2nd Floor Staff Rooms & Class rooms, Bitumen adhesive to parquet flooring, Bitumen	No Asbestos Detected
51	CV1, Ceiling Void Above GF Reception and offices, Debris, Insulating Board	**Amosite / Chrysotile**
52	Room C1, GF Corridor, Grey Floor Tiles, Vinyl	**Chrysotile**
53	Room C1, GF Corridor, Cream Floor Tiles, Vinyl	**Chrysotile**
54	Room C1, GF Corridor, Red Floor Tiles, Vinyl	**Chrysotile**
55	Room 2h, 2g, 2j, GF Toilets, Bitumen adhesive under lino, Bitumen	**Chrysotile**
56	Room WA009, GF Offices, Bitumen adhesive to Parquet floor, Bitumen	No Asbestos Detected
57	R4, GF-4th Floor Service Riser, Pipe Insulation Lining, Paper	**Chrysotile**
58	R4, GF-4th Floor Service Riser, Pipe Insulation Lining Debris, Paper	**Chrysotile**
59	A230, 2nd Floor Corridor Ceiling Void, Fire Break Above Stairwell Double Doors, Textile	**Chrysotile**
60	A230, 2nd Floor Ceiling Void, Pipe Insulation Lining, Paper	**Chrysotile**
61	Room A205, 2nd Floor Office, Bottom Shelf to Fume Cupboard F1, Cement	**Chrysotile**

RESULTS OF ANALYSES

62	Room A205, 2nd Floor Office, Top Shelf to Fume Cupboard F1, Insulating Board	**Amosite / Chrysotile**
63	Room A205, 2nd Floor Office, Bottom Shelf to Fume Cupboard F2, Cement	**Chrysotile**
64	Room A205, 2nd Floor Office, Top Shelf to Fume Cupboard F2, Cement	**Chrysotile**
65	V1, 4th Floor Wall Void, Debris, Insulating Board	**Crocidolite / Chrysotile**
66	Room V1, 4th floor wall void, DPC, Bitumen Felt	No Asbestos Detected
67	Room A150a, 1st Floor Lift Lobby Corridor, Floor Under Carpets & Timber, Bitumen Adhesive	No Asbestos Detected
68	Room A160-A162, 1st Floor Offices, Floor Under Carpets & Timber, Blue Floor Tiles	**Chrysotile**
69	Room A150a, 1st Floor Corridor Ceiling Void, Pipe Insulation Lining, Paper	**Chrysotile**
70	Room A150a & A150, 1st Floor Ceiling Voids, Fire Blankets, Textile	**Chrysotile**
71	Room A114, 1st Floor Classroom, Ceiling Void Fire Boarding, Insulating Board	No Asbestos Detected
72	Room R6, GF-1F Service Riser, Fire Break Boarding, Insulating Board	No Asbestos Detected
73	Room R6, GF Service Riser Entrance Door, Door Lining, Insulating Board	No Asbestos Detected

RESULTS OF ANALYSES

7.2 Sample Details

Locations of materials sampled can be seen in Section 3 – Executive Summary – Plans.

7.2.1 A417, 4th Floor Corridor, Face Boarding to Riser R1 Outside Room A408, Insulating Board

Sample Number	1	**Condition**	N/A
Extent	2m x 1m x 10mm	**Surface Treatment**	Painted
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.2 A406, 4th Floor Classroom, Bitumen Felt to external side walls within ceiling void, Bitumen

Sample Number	2	**Condition**	
Extent	50m x 1m x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments Strongly presumed to run entire length of building as a seal to the external so present in every room on floor level.

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 4 Very Low

RESULTS OF ANALYSES

7.2.3 R2, 4th Floor Corridor Service Riser, Flue Pipe, Cement

Sample Number	3	**Condition**	Medium damage
Extent	50m x 0.5m x 10mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile / Amosite**		

Comments The riser R2 runs the full height of the building and so does the cement flue inside

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 6 Low

RESULTS OF ANALYSES

7.2.4 LF1, Lift Shaft, DPC Within brick work on basement pit level, Bitumen

Sample Number	4	**Condition**	Low damage
Extent	10m x 50mm x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

No photo available.

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 3 Very Low

RESULTS OF ANALYSES

7.2.5 Room A401, 4th Floor Classroom, Floor Under Carpets, Brown Vinyl Tiles

Sample Number	5	**Condition**	Low damage
Extent	5m x 5m x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 3 Very Low

RESULTS OF ANALYSES

7.2.6 Room A417, 4th Floor Corridor, Fire Break Above Far End Double Doors to Stairs ST2, Textile

Sample Number	6	**Condition**	Medium damage
Extent	4M X 1M X 5MM	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 7 Medium

RESULTS OF ANALYSES

7.2.7 Room A413, 4th Floor Classroom, Floor, Dark Grey Vinyl Tiles

Sample Number	7	**Condition**	Low damage
Extent	5m x 5m x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 3 Very Low

7.2.8 Room A410, 4th Floor Tank Room, Flue Pipe, Cement

Sample Number	8	**Condition**	Low damage
Extent	50m x 0.5m x 10mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile / Amosite**		

Comments Flue pipe is in an open riser in the corner of the room, the riser runs the full height of the building as does the flue pipe

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 5 Low

7.2.9 Room A402, 4th Floor Classroom, DPC Under Window Sills, Bitumen

Sample Number	9	**Condition**	Low damage
Extent	50m x 100mm x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments This material is presumed to be present under all similar window sills within the building.

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 3 Very Low

7.2.10 R5, 4th Floor Tank Room Riser In Corner, Pipe work Insulation Lining, Paper

Sample Number	10	**Condition**	High damage
Extent	50m x 0.25m x 5mm	**Surface Treatment**	Unsealed
Debris Present	Yes	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments The service riser in the corner of the tank room runs the full height of the building as does all the pipe work with the paper lining on

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 8 Medium

RESULTS OF ANALYSES

7.2.11 LM1, Lift Motor Room, Soffit Boards to External Areas of Lift Motor Room, Insulating Board

Sample Number	11	**Condition**	Medium damage
Extent	12m x 200mm x 10mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Crocidolite / Chrysotile**		

Comments Soffit boards are present to all sides of the building.

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 9 Medium

7.2.12 RF1, Main Roof of A Block, Debris on Roof, Cement

Sample Number	12	**Condition**	High damage
Extent	50m x 20m x 5mm	**Surface Treatment**	Unsealed
Debris Present	Yes	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments This material is widespread through most of the main flat roof area.

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 6 Low

RESULTS OF ANALYSES

7.2.13 RF1, Main Roof of A Block, Flue Pipe Cowl, Cement

Sample Number	13	**Condition**	Medium damage
Extent	0.5m x 0.2m x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile / Amosite**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 6 Low

7.2.14 LM1, Lift Motor Room, Step Flashing to Roof Access Door, Bitumen Felt

Sample Number	14	**Condition**	Medium damage
Extent	2mx 200mm x 10mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 4 Very Low

RESULTS OF ANALYSES

7.2.15 LM1, Lift Motor Room, Floor Adhesive Residue, Bitumen

Sample Number	15	**Condition**	N/A
Extent	2mx 2m x 10mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.16 A306, 3rd Floor Lab, Floor Adhesive Under Timber, Bitumen

Sample Number	16	**Condition**	N/A
Extent	10m x 10m x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.17 Room A306, 3rd Floor Lab, Rope Seals to Mobile Desk Top Ovens, Textile

Sample Number	17	**Condition**	Medium damage
Extent	1m x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments There are several mobile desk top ovens within the room.

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 6 Low

RESULTS OF ANALYSES

7.2.18 Room A306, 3rd Floor Lab, Door Lining Panels to Mobile Desk Top Ovens, Cement

Sample Number	18	**Condition**	Medium damage
Extent	0.2m x 0.2m x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments There are several mobile desk top ovens within the room.

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 5 Low

7.2.19 Room A306, 3rd Floor Lab, Damper Pad to Stainless Steel, Bitumen

Sample Number	19	**Condition**	N/A
Extent	200mm x 200mm x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.20 Room A306, 3rd Floor Lab, Science Lab Mats, Cement

Sample Number	20	**Condition**	Medium damage
Extent	Various Sizes	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 5 Low

7.2.21 R2, Service Riser GF-4F, Debris Within Riser, Paper

Sample Number	21	**Condition**	High damage
Extent	20m x 5mm x 5mm	**Surface Treatment**	Unsealed
Debris Present	Yes	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 9 Medium

7.2.22 R2, Service Riser GF-4F, Pipe Insulation Lining, Paper

Sample Number	22	**Condition**	Medium damage
Extent	50m x 50mm x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 9 Medium

RESULTS OF ANALYSES

7.2.23 R3, Service Riser GF-4F, Pipe Insulation Lining, Paper

Sample Number	23	**Condition**	Medium damage
Extent	50m x 50mm x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 9 Medium

7.2.24 ST2, GF Lobby of Stairwell, Mable Floor Expansion Joint, Bitumen

Sample Number	24	**Condition**	N/A
Extent	100m x 5mm x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments Joint to marble edge of floor all the way up stairwell ST2

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.25 K1, GF Kitchen, Damper Pads to Prep Tables, Bitumen

Sample Number	25	**Condition**	Low damage
Extent	1m x 0.2m x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 3 Very Low

RESULTS OF ANALYSES

7.2.26 FC1, GF Food Court, Ceiling Void Main Beams, Insulating Board

Sample Number	27	**Condition**	High damage
Extent	40m x 40m x 5mm	**Surface Treatment**	Unsealed
Debris Present	Yes	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments There are several amounts of debris deposits throughout the ceiling void areas to the concrete beams, presumed to have previously been a fully boarded ceiling in place

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 8 Medium

RESULTS OF ANALYSES

7.2.27 FC1, GF Food Court, Ceiling Void Tops of Beams, Insulating Board

Sample Number	28	**Condition**	High damage
Extent	40m x 40m x 5mm	**Surface Treatment**	Unsealed
Debris Present	Yes	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 8 Medium

7.2.28 FC1, GF Food Court, Floor Under Modern Vinyl, Bitumen Rock Ash Felt

Sample Number	29	**Condition**	N/A
Extent	40m x 40m x 10mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.29 FC1, GF Food Court, Floor Under Modern Vinyl, Bitumen Adhesive Under Timber Floor

Sample Number	30	**Condition**	N/A
Extent	40m x 40m x 10mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.30 Rooms A301, 302, 308, 312, 3rd Floor Labs, Light Beige Floor Tiles, Vinyl

Sample Number	31	**Condition**	Good
Extent	6.5x7m	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 2 Very Low

7.2.31 Room R1, 3rd Floor Riser/Cupboard, Teal Floor Tiles, Vinyl

Sample Number	32	**Condition**	N/A
Extent	0.5x1m	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

7.2.32 Room R1, 3rd Floor Riser/Cupboard, Floor Tiles, Vinyl

Sample Number	33	**Condition**	N/A
Extent	1x1m	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.33 Room A330, 3rd Floor Corridor, Brown/Beige Floor Tiles, Vinyl

Sample Number	34	**Condition**	N/A
Extent	4.5x40m	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.34 Room A309, 3rd Floor Prep Room, Dark Green Floor Tiles, Vinyl

Sample Number	35	**Condition**	N/A
Extent	2x5m	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.35 Room R2, 3rd Floor Riser, Floor Tiles, Vinyl

Sample Number	36	**Condition**	N/A
Extent	1x0.25m	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

7.2.36 Room A330, 3rd Floor Corridor Ceiling Void, Fire Blanket Above Double Doors to Stairwell ST2, Textile

Sample Number	37	**Condition**	Medium damage
Extent	3M X 1M X 5MM	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 6 Low

RESULTS OF ANALYSES

7.2.37 Room A330, 3rd Floor Corridor Ceiling Void, Pipe work Insulation Lining, Paper

Sample Number	38	**Condition**	Medium damage
Extent	10m x 1m x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 9 Medium

RESULTS OF ANALYSES

7.2.38 Rooms A301, 302, 303, 304, 3rd Floor Labs, Damper Pads Beneath Sinks, Bitumen Felt

Sample Number	39	**Condition**	N/A
Extent	2 no.	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

7.2.39 Room A330, 3rd Floor Corridor Ceiling Void, Pipe work Insulation Lining, Paper

Sample Number	40	**Condition**	Medium damage
Extent	10m x 1m x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 6 Low

RESULTS OF ANALYSES

7.2.40 Room A330, 3rd Floor Corridor Ceiling Void, Pipe work Insulation Lining, Paper Debris

Sample Number	41	**Condition**	Medium damage
Extent	10m x 1m x 5mm	**Surface Treatment**	Unsealed
Debris Present	Yes	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 6 Low

RESULTS OF ANALYSES

7.2.41 Room R3, Service Riser GF-4F, Pipe Insulation Lining, Paper Debris

Sample Number	42	**Condition**	High damage
Extent	20m x 5mm x 5mm	**Surface Treatment**	Unsealed
Debris Present	Yes	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 9 Medium

RESULTS OF ANALYSES

7.2.42 Rooms A330b, 313-319, Male & Female WC, 3rd Floor Classrooms, Corridors and Toilets, Taupe Floor Tiles, Vinyl

Sample Number	43	**Condition**	Good
Extent	Throughout	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 2 Very Low

RESULTS OF ANALYSES

7.2.43 Rooms A320, 321, 322, 3rd Floor Classroom & Offices, Grey Floor Tiles, Vinyl

Sample Number	44	**Condition**	Good
Extent	6x4m & 4x2.5 x2	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 2 Very Low

RESULTS OF ANALYSES

7.2.44 Room M1, 3rd Floor Female WC, Seal to Skylights, Mastic

Sample Number	45	**Condition**	Low damage
Extent	5m x 10mm x 5mm	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 3 Very Low

RESULTS OF ANALYSES

7.2.45 Room R7, Service Riser, Flue Pipe, Cement

Sample Number	46	**Condition**	Medium damage
Extent	15m x 100mm x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Amosite / Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing matrials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 6 Low

RESULTS OF ANALYSES

7.2.46 Room R7, Service Riser, Flue Pipe Joint Seal, Cement

Sample Number	47	**Condition**	Medium damage
Extent	1m x 10mm x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Amosite / Chrysotile**		

Comments There are several joints throughout the length of pipe.

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing matrials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 6 Low

RESULTS OF ANALYSES

7.2.47 Room A218, 2nd Floor Office, Floor Tiles, Vinyl

Sample Number	48	**Condition**	Good
Extent	6x6m	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score 2 Very Low

RESULTS OF ANALYSES

7.2.48 Room A210, 2nd Floor Office, Red Floor Tiles, Vinyl

Sample Number	49	**Condition**	N/A
Extent	3x3m	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.49 Rooms A201-204, 2nd Floor Staff Rooms & Class rooms, Bitumen adhesive to parquet flooring, Bitumen

Sample Number	50	**Condition**	N/A
Extent	6x50m	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.50 CV1, Ceiling Void Above GF Reception and offices, Debris, Insulating Board

Sample Number	51	**Condition**	High damage
Extent	40m x 20m x 5mm	**Surface Treatment**	Unsealed
Debris Present	Yes	**HSE Licensable Material**	**Yes**
Asbestos Type	**Amosite / Chrysotile**		

Comments There are several amounts of debris remaining within the ceiling void remaining from the previous ceiling boarding and is widespread throughout the full void area.

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 9 Medium

RESULTS OF ANALYSES

7.2.51 Room C1, GF Corridor, Grey Floor Tiles, Vinyl

Sample Number	52	**Condition**	Good
Extent	5x30m²	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments Floor tiles under screed

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 2 Very Low

RESULTS OF ANALYSES

7.2.52 Room C1, GF Corridor, Cream Floor Tiles, Vinyl

Sample Number	53	**Condition**	Good
Extent	5x30m²	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments Floor tiles under screed

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 2 Very Low

RESULTS OF ANALYSES

7.2.53 Room C1, GF Corridor, Red Floor Tiles, Vinyl

Sample Number	54	**Condition**	Good
Extent	5x30m²	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments Floor tiles under screed

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 2 Very Low

RESULTS OF ANALYSES

7.2.54 Room 2h, 2g, 2j, GF Toilets, Bitumen adhesive under lino, Bitumen

Sample Number	55	**Condition**	Good
Extent	4x5m	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments Composite from the 3 rooms

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 2 Very Low

RESULTS OF ANALYSES

7.2.55 Room WA009, GF Offices, Bitumen Adhesive to Parquet floor, Bitumen

Sample Number	56	**Condition**	N/A
Extent	18x12	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments In all refurbished offices under carpets

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.56 R4, GF-4th Floor Service Riser, Pipe Insulation Lining, Paper

Sample Number	57	**Condition**	High damage
Extent	50m x 2m x 5mm	**Surface Treatment**	Unsealed
Debris Present	Yes	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 8 Medium

RESULTS OF ANALYSES

7.2.57 R4, GF-4th Floor Service Riser, Pipe Insulation Lining Debris, Paper

Sample Number	58	**Condition**	High damage
Extent	50m x 2m x 5mm	**Surface Treatment**	Unsealed
Debris Present	Yes	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 8 Medium

RESULTS OF ANALYSES

7.2.58 A230, 2nd Floor Corridor Ceiling Void, Fire Break Above Stairwell Double Doors, Textile

Sample Number	59	**Condition**	Medium damage
Extent	4m x 1m x 10mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 7 Medium

RESULTS OF ANALYSES

7.2.59 A230, 2nd Floor Ceiling Void, Pipe Insulation Lining, Paper

Sample Number	60	**Condition**	Medium damage
Extent	50m x 5m x 5mm	**Surface Treatment**	Unsealed
Debris Present	Yes	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments Pipe work runs through into adjacent classrooms

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 7 Medium

RESULTS OF ANALYSES

7.2.60 Room A205, 2nd Floor Office, Bottom Shelf to Fume Cupboard F1, Cement

Sample Number	61	**Condition**	Low damage
Extent	1m x 1m x 20mm	**Surface Treatment**	Sealed
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 5 Low

RESULTS OF ANALYSES

7.2.61 Room A205, 2nd Floor Office, Top Shelf to Fume Cupboard F1, Insulating Board

Sample Number	62	**Condition**	Low damage
Extent	1m x 1m x 20mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Amosite / Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 6 Low

RESULTS OF ANALYSES

7.2.62 Room A205, 2nd Floor Office, Bottom Shelf to Fume Cupboard F2, Cement

Sample Number	63	**Condition**	Low damage
Extent	1m x 1m x 20mm	**Surface Treatment**	Sealed
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 5 Low

RESULTS OF ANALYSES

7.2.63 Room A205, 2nd Floor Office, Top Shelf to Fume Cupboard F2, Cement

Sample Number	64	**Condition**	Low damage
Extent	1m x 1m x 20mm	**Surface Treatment**	Sealed
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments Sample #8 cement pipe runs from the 4F riser down into Fume cupboard F2

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 5 Low

RESULTS OF ANALYSES

7.2.64 V1, 4th Floor Wall Void, Debris, Insulating Board

Sample Number	65	**Condition**	High damage
Extent	8m x 3m x 0.5m	**Surface Treatment**	Unsealed
Debris Present	Yes	**HSE Licensable Material**	**Yes**
Asbestos Type	**Crocidolite / Chrysotile**		

Comments There was only one piece of insulating board present within the void and it was not possible to identify where it had come from.

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 10 High

RESULTS OF ANALYSES

7.2.65 Room V1, 4th floor wall void, DPC, Bitumen Felt

Sample Number	66	**Condition**	N/A
Extent	1000+	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments Bitumen DPC is believed to ne present throughout the building in all perimeter wall voids and within joints of external concrete wall cladding.

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

7.2.66 Room A150a, 1st Floor Lift Lobby Corridor, Floor Under Carpets & Timber, Bitumen Adhesive

Sample Number	67	**Condition**	N/A
Extent	5m x 5m x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.67 Room A160-A162, 1st Floor Offices, Floor Under Carpets & Timber, Blue Floor Tiles

Sample Number	68	**Condition**	Low damage
Extent	10m x 5m x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 3 Very Low

RESULTS OF ANALYSES

7.2.68 Room A150a, 1st Floor Corridor Ceiling Void, Pipe Insulation Lining, Paper

Sample Number	69	**Condition**	Medium damage
Extent	20m x 3m x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 6 Low

RESULTS OF ANALYSES

7.2.69 Room A150a & A150, 1st Floor Ceiling Voids, Fire Blankets, Textile

Sample Number	70	**Condition**	Medium damage
Extent	4m x 1m x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 7 Medium

RESULTS OF ANALYSES

7.2.70 Room A114, 1st Floor Classroom, Ceiling Void Fire Boarding, Insulating Board

Sample Number	71	**Condition**	N/A
Extent	30m x 2m x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments Boarding is present to main ceiling and ceiling beams

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.71 Room R6, GF-1F Service Riser, Fire Break Boarding, Insulating Board

Sample Number	72	**Condition**	N/A
Extent	30m x 2m x 5mm	**Surface Treatment**	Unsealed
Debris Present	Yes	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.72 Room R6, GF Service Riser Entrance Door, Door Lining, Insulating Board

Sample Number	73	**Condition**	N/A
Extent	2m x 1m x 10mm	**Surface Treatment**	Sealed
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	No Asbestos Detected		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.73 A417, 4th Floor Corridor, Face Boarding to Riser R2 Outside Room A406, Insulating Board

Sample Number	As 1	**Condition**	N/A
Extent	2m x 1m x 10mm	**Surface Treatment**	Painted
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	**Material visually identical to referenced sample.**		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.74 R4, Service Riser Next To Lift Shaft, Lining to Pipe Insulation, Paper

Sample Number	As 10	**Condition**	High damage
Extent	100m x 1m x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Strongly Presumed to contain Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 9 Medium

RESULTS OF ANALYSES

7.2.75 Rooms A303, A304 & A304, 3rd Floor Labs, Floor Adhesive Under Timber, Bitumen

Sample Number	As 16	**Condition**	N/A
Extent	30m x 10m x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	**Material visually identical to referenced sample.**		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.76 Room A330, 3rd Floor Corridor Ceiling Void, Fire Blanket Above Double Doors to Stairwell ST2, Textile

Sample Number	As 37	**Condition**	Medium damage
Extent	3M X 1M X 5MM	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Strongly Presumed to contain Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 6 Low

RESULTS OF ANALYSES

7.2.77 Room A214a, 2nd Floor Kitchen/Store, Floor Tiles, Vinyl

Sample Number	As 48	**Condition**	Good
Extent	2x3m	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Strongly Presumed to contain Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 2 Very Low

RESULTS OF ANALYSES

7.2.78 Room A215, 2nd Floor Meeting Room, Floor Tiles, Vinyl

Sample Number	As 48	**Condition**	Good
Extent	2x3.5m	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Strongly Presumed to contain Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 2 Very Low

RESULTS OF ANALYSES

7.2.79 Room A230a, 2nd Floor Corridor, Floor Tiles, Vinyl

Sample Number	As 48	**Condition**	Good
Extent	2x30m	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Strongly Presumed to contain Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 2 Very Low

RESULTS OF ANALYSES

7.2.80 Room A213, 2nd Floor Server Room, Floor Tiles, Vinyl

Sample Number	As 48	**Condition**	Good
Extent	2x3m	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Strongly Presumed to contain Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 2 Very Low

RESULTS OF ANALYSES

7.2.81 Room C2a, GF Finance Office, Grey Floor Tiles, Vinyl

Sample Number	As 52	**Condition**	Good
Extent	5x9m²	**Surface Treatment**	Composite Material
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Strongly Presumed to contain Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 2 Very Low

RESULTS OF ANALYSES

7.2.82 Room 001 & 001a, GF Principal Office, Bitumen adhesive to Parquet floor, Bitumen

Sample Number	As 56	**Condition**	N/A
Extent	12x6m	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	**Material visually identical to referenced sample.**		

Comments Under carpets

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.83 A230, 2nd Floor Corridor Ceiling Void, Fire Break Above Corridor Double Doors, Textile

Sample Number	As 59	**Condition**	Medium damage
Extent	4m x 1m x 10mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Strongly Presumed to contain Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 7 Medium

RESULTS OF ANALYSES

7.2.84 Room A205, 2nd Floor Office, Fire Blanket Above Ceiling, Textile

Sample Number	As 59	**Condition**	Medium damage
Extent	4m x 1m x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Strongly Presumed to contain Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 6 Low

RESULTS OF ANALYSES

7.2.85 A230, 2nd Floor Corridor Ceiling Void, Fire Break Above Far End Stairwell Double Doors, Textile

Sample Number	As 59	**Condition**	Medium damage
Extent	4m x 1m x 10mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Strongly Presumed to contain Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 7 Medium

RESULTS OF ANALYSES

7.2.86 Room A417, 4th Floor Corridor, Fire Break Above Middle Mains Double Doors to Stairs ST1, Textile

Sample Number	As 6	**Condition**	Medium damage
Extent	4M X 1M X 5MM	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Strongly Presumed to contain Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 7 Medium

RESULTS OF ANALYSES

7.2.87 Room A117, 1st Floor Classroom, Floor Under Carpets & Timber, Bitumen Adhesive

Sample Number	As 67	**Condition**	N/A
Extent	30m x 5m x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	**Material visually identical to referenced sample.**		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.88 Room A101a, A102,A102a,A103, 1st Floor Classrooms, Floor Under Carpets & Timber, Bitumen Adhesive

Sample Number	As 67	**Condition**	N/A
Extent	30m x 5m x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	**Material visually identical to referenced sample.**		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.89 Room A116, 1st Floor Classroom, Floor Under Carpets & Timber, Bitumen Adhesive

Sample Number	As 67	**Condition**	N/A
Extent	30m x 5m x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	**Material visually identical to referenced sample.**		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.90 Room A116a, 1st Floor Server Room, Floor Under Carpets & Timber, Bitumen Adhesive

Sample Number	As 67	**Condition**	N/A
Extent	30m x 5m x 5mm	**Surface Treatment**	Bitumen Bonded
Debris Present	No	**HSE Licensable Material**	N/A
Asbestos Type	**Material visually identical to referenced sample.**		

Comments

Recommendations No asbestos was detected in this sample

Material Assessment Score N/A

RESULTS OF ANALYSES

7.2.91 Room A150, 1st Floor Ceiling Voids, Fire Blankets in Ceil, Textile

Sample Number	As 70	**Condition**	Medium damage
Extent	4m x 1m x 5mm	**Surface Treatment**	Unsealed
Debris Present	No	**HSE Licensable Material**	**Yes**
Asbestos Type	**Strongly Presumed to contain Chrysotile**		

Comments

Recommendations This material is defined as Licensable and Notifiable and if it is to be removed, it should only be done using an HSE Licensed removal contractor.

Material Assessment Score 7 Medium

RESULTS OF ANALYSES

7.2.92 LM1, Lift Motor Room, Brake Pads On Lift Motor, Cement

Sample Number	SP 1	**Condition**	Low damage
Extent	200mx 200m x 10mm	**Surface Treatment**	Sealed
Debris Present	No	**HSE Licensable Material**	**No**
Asbestos Type	**Strongly Presumed to contain Chrysotile**		

Comments

Recommendations This material is defined as Non-Licensable and if it is to be removed, it should be done using an HSE licensed removal contractor or by employees who are sufficiently trained and following he guidance in the HSE Asbestos Essentials Task Manual (HSG 210). The recent update in the Control of Asbestos Regulations (2012) requires work on some non-licensed asbestos containing materials to be notified to the appropriate authority and this should be established prior to any removal works.

Material Assessment Score 4 Very Low

8 Material Assessment Algorithms

HSG 264 Asbestos: The Survey Guide calls for all samples identified as being ACMs to be subject to a Material Assessment Algorithm, in order to assess the potential for fibre release when subject to a standard disturbance. This applies to Refurbishment and Demolition Surveys where there is a significant time delay before the building is to be demolished or refurnished. The factors to be considered are:

A	Product Type	Scored 1-3
B	Extent of Damage or Deterioration	Scored 0-3
C	Surface Treatment	Scored 0-3
D	Asbestos Type	Scored 1-3

For each of these factors a score is allocated and the results are added together to give a result between 2 and 12. Scores are interpreted as follows:

<5: Very Low

5-6: Low

7-9: Medium

>9: High

This material assessment purely assesses the condition of the material. It identifies the materials that present a higher risk of fibre release *if disturbed*. This algorithm does not automatically mean that those materials with a higher score should be given a higher priority for remedial work. Rather, this score should be considered along with other factors involved, such as the location of the material (for example; outside, inside, in plant areas, by or in ventilation systems), its extent, occupancy and the type of activity likely to affect it. Factors affecting such activity are; for example, that it may be only accessed during major works or alternatively, occupants undertake actions which may easily disturb it during everyday activity.

Under the Control of Asbestos Regulations, it is the responsibility of the Duty Holder of the premises to undertake the risk assessment once this survey and material assessment has been carried received. This is because it is believed that the Duty Holder will have a far more detailed understanding of the areas sampled than the person undertaking this survey.

MATERIAL ASSESSMENT ALGORITHMS

8.1 Material Assessments

Sample No.	Relevant Report Section	Location/Description	A	B	C	D	Total	Risk
2	7.2.2	A406, 4th Floor Classroom, Bitumen Felt to external side walls within ceiling void, Bitumen	1	1	1	1	**4**	**Very Low**
3	7.2.3	R2, 4th Floor Corridor Service Riser, Flue Pipe, Cement	1	2	1	2	**6**	**Low**
4	7.2.4	LF1, Lift Shaft, DPC Within brick work on basement pit level, Bitumen	1	1	0	1	**3**	**Very Low**
5	7.2.5	Room A401, 4th Floor Classroom, Floor Under Carpets, Brown Vinyl Tiles	1	1	0	1	**3**	**Very Low**
6	7.2.6	Room A417, 4th Floor Corridor, Fire Break Above Far End Double Doors to Stairs ST2, Textile	3	2	1	1	**7**	**Medium**
7	7.2.7	Room A413, 4th Floor Classroom, Floor, Dark Grey Vinyl Tiles	1	1	0	1	**3**	**Very Low**
8	7.2.8	Room A410, 4th Floor Tank Room, Flue Pipe, Cement	1	1	1	2	**5**	**Low**
9	7.2.9	Room A402, 4th Floor Classroom, DPC Under Window Sills, Bitumen	1	1	0	1	**3**	**Very Low**
10	7.2.10	R5, 4th Floor Tank Room Riser In Corner, Pipe work Insulation Lining, Paper	2	3	2	1	**8**	**Medium**
11	7.2.11	LM1, Lift Motor Room, Soffit Boards to External Areas of Lift Motor Room, Insulating Board	2	2	2	3	**9**	**Medium**
12	7.2.12	RF1, Main Roof of A Block, Debris on Roof, Cement	1	3	1	1	**6**	**Low**
13	7.2.13	RF1, Main Roof of A Block, Flue Pipe Cowl, Cement	1	2	1	2	**6**	**Low**
14	7.2.14	LM1, Lift Motor Room, Step Flashing to Roof Access Door, Bitumen Felt	1	2	0	1	**4**	**Very Low**
17	7.2.17	Room A306, 3rd Floor Lab, Rope Seals to Mobile Desk Top Ovens, Textile	2	2	1	1	**6**	**Low**

MATERIAL ASSESSMENT ALGORITHMS

18	7.2.18	Room A306, 3rd Floor Lab, Door Lining Panels to Mobile Desk Top Ovens, Cement	1	2	1	1	**5**	**Low**
20	7.2.20	Room A306, 3rd Floor Lab, Science Lab Mats, Cement	1	2	1	1	**5**	**Low**
21	7.2.21	R2, Service Riser GF-4F, Debris Within Riser, Paper	2	3	3	1	**9**	**Medium**
22	7.2.22	R2, Service Riser GF-4F, Pipe Insulation Lining, Paper	3	2	3	1	**9**	**Medium**
23	7.2.23	R3, Service Riser GF-4F, Pipe Insulation Lining, Paper	3	2	3	1	**9**	**Medium**
25	7.2.25	K1, GF Kitchen, Damper Pads to Prep Tables, Bitumen	1	1	0	1	**3**	**Very Low**
27	7.2.26	FC1, GF Food Court, Ceiling Void Main Beams, Insulating Board	2	3	2	1	**8**	**Medium**
28	7.2.27	FC1, GF Food Court, Ceiling Void Tops of Beams, Insulating Board	2	3	2	1	**8**	**Medium**
31	7.2.30	Rooms A301, 302, 308, 312, 3rd Floor Labs, Light Beige Floor Tiles, Vinyl	1	0	0	1	**2**	**Very Low**
37	7.2.36	Room A330, 3rd Floor Corridor Ceiling Void, Fire Blanket Above Double Doors to Stairwell ST2, Textile	2	2	1	1	**6**	**Low**
38	7.2.37	Room A330, 3rd Floor Corridor Ceiling Void, Pipe work Insulation Lining, Paper	3	2	3	1	**9**	**Medium**
40	7.2.39	Room A330, 3rd Floor Corridor Ceiling Void, Pipe work Insulation Lining, Paper	3	2	0	1	**6**	**Low**
41	7.2.40	Room A330, 3rd Floor Corridor Ceiling Void, Pipe work Insulation Lining, Paper Debris	3	2	0	1	**6**	**Low**
42	7.2.41	Room R3, Service Riser GF-4F, Pipe Insulation Lining, Paper Debris	2	3	3	1	**9**	**Medium**
43	7.2.42	Rooms A330b, 313-319, male & female WC, 3rd Floor Classrooms, Corridors and Toilets, Taupe Floor Tiles, Vinyl	1	0	0	1	**2**	**Very Low**
44	7.2.43	Rooms A320, 321, 322, 3rd Floor Classroom & Offices, Grey Floor Tiles, Vinyl	1	0	0	1	**2**	**Very Low**

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45	7.2.44	Room M1, 3rd Floor Female WC, Seal to Skylights, Mastic	1	1	0	1	**3**	**Very Low**
46	7.2.45	Room R7, Service Riser, Flue Pipe, Cement	1	2	1	2	**6**	**Low**
47	7.2.46	Room R7, Service Riser, Flue Pipe Joint Seal, Cement	1	2	1	2	**6**	**Low**
48	7.2.47	Room A218, 2nd Floor Office, Floor Tiles, Vinyl	1	0	0	1	**2**	**Very Low**
51	7.2.50	CV1, Ceiling Void Above GF Reception and offices, Debris, Insulating Board	2	3	2	2	**9**	**Medium**
52	7.2.51	Room C1, GF Corridor, Grey Floor Tiles, Vinyl	1	0	0	1	**2**	**Very Low**
53	7.2.52	Room C1, GF Corridor, Cream Floor Tiles, Vinyl	1	0	0	1	**2**	**Very Low**
54	7.2.53	Room C1, GF Corridor, Red Floor Tiles, Vinyl	1	0	0	1	**2**	**Very Low**
55	7.2.54	Room 2h, 2g, 2j, GF Toilets, Bitumen adhesive under lino, Bitumen	1	0	0	1	**2**	**Very Low**
57	7.2.56	R4, GF-4th Floor Service Riser, Pipe Insulation Lining, Paper	2	3	2	1	**8**	**Medium**
58	7.2.57	R4, GF-4th Floor Service Riser, Pipe Insulation Lining Debris, Paper	2	3	2	1	**8**	**Medium**
59	7.2.58	A230, 2nd Floor Corridor Ceiling Void, Fire Break Above Stairwell Double Doors, Textile	2	2	2	1	**7**	**Medium**
60	7.2.59	A230, 2nd Floor Ceiling Void, Pipe Insulation Lining, Paper	2	2	2	1	**7**	**Medium**
61	7.2.60	Room A205, 2nd Floor Office, Bottom Shelf to Fume Cupboard F1, Cement	2	1	1	1	**5**	**Low**
62	7.2.61	Room A205, 2nd Floor Office, Top Shelf to Fume Cupboard F1, Insulating Board	2	1	1	2	**6**	**Low**
63	7.2.62	Room A205, 2nd Floor Office, Bottom Shelf to Fume Cupboard F2, Cement	2	1	1	1	**5**	**Low**
64	7.2.63	Room A205, 2nd Floor Office, Top Shelf to Fume Cupboard F2, Cement	2	1	1	1	**5**	**Low**
65	7.2.64	V1, 4th Floor Wall Void, Debris, Insulating Board	2	3	2	3	**10**	**High**

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68	7.2.67	Room A160-A162, 1st Floor Offices, Floor Under Carpets & Timber, Blue Floor Tiles	1	1	0	1	**3**	**Very Low**
69	7.2.68	Room A150a, 1st Floor Corridor Ceiling Void, Pipe Insulation Lining, Paper	2	2	1	1	**6**	**Low**
70	7.2.69	Room A150a & A150, 1st Floor Ceiling Voids, Fire Blankets, Textile	2	2	2	1	**7**	**Medium**
As 10	7.2.74	R4, Service Riser Next To Lift Shaft, Lining to Pipe Insulation, Paper	2	3	3	1	**9**	**Medium**
As 37	7.2.76	Room A330, 3rd Floor Corridor Ceiling Void, Fire Blanket Above Double Doors to Stairwell ST2, Textile	2	2	1	1	**6**	**Low**
As 48	7.2.77	Room A214a, 2nd Floor Kitchen/Store, Floor Tiles, Vinyl	1	0	0	1	**2**	**Very Low**
As 48	7.2.78	Room A215, 2nd Floor Meeting Room, Floor Tiles, Vinyl	1	0	0	1	**2**	**Very Low**
As 48	7.2.79	Room A230a, 2nd Floor Corridor, Floor Tiles, Vinyl	1	0	0	1	**2**	**Very Low**
As 48	7.2.80	Room A213, 2nd Floor Server Room, Floor Tiles, Vinyl	1	0	0	1	**2**	**Very Low**
As 52	7.2.81	Room C2a, GF Finance Office, Grey Floor Tiles, Vinyl	1	0	0	1	**2**	**Very Low**
As 59	7.2.83	A230, 2nd Floor Corridor Ceiling Void, Fire Break Above Corridor Double Doors, Textile	2	2	2	1	**7**	**Medium**
As 59	7.2.84	Room A205, 2nd Floor Office, Fire Blanket Above Ceiling, Textile	2	2	1	1	**6**	**Low**
As 59	7.2.85	A230, 2nd Floor Corridor Ceiling Void, Fire Break Above Far End Stairwell Double Doors, Textile	2	2	2	1	**7**	**Medium**
As 6	7.2.86	Room A417, 4th Floor Corridor, Fire Break Above Middle Mains Double Doors to Stairs ST1, Textile	3	2	1	1	**7**	**Medium**
As 70	7.2.91	Room A150, 1st Floor Ceiling Voids, Fire Blankets in Ceil, Textile	2	2	2	1	**7**	**Medium**
SP1	7.2.92	LM1, Lift Motor Room, Brake Pads On Lift Motor, Cement	1	1	1	1	**4**	**Very Low**

9 Recommendations

9.1 A Refurbishment and Demolition materials assessment for the presence of asbestos containing materials was conducted on specific materials present within this property. Regulation 4 of the Control of Asbestos Regulations (2012) sets out the requirement for Duty Holders to manage the asbestos in their premises, where there is a significant delay prior to demolition or refurbishment. The surveys undertaken by Healthy Buildings International represent the first step in the process of fulfilling these requirements.

9.2 A full Material Assessment is provided in the record for each item found to contain asbestos, presumed or strongly presumed to contain asbestos. Also included are recommendations for possible remedial action. Where HBI have identified areas of overriding concern, such as widespread asbestos debris presenting immediate risk of exposure, this will be detailed in the particular sample record. However it should be pointed out that in general, the recommendations in the records are NOT definitive and are included as useful information only. It is only after the Duty Holder has carried out the full Risk Assessment that appropriate actions can be decided upon. This applies to Refurbishment and Demolition Surveys where there is a significant time delay before the building is to be demolished or refurnished.

9.3 Asbestos containing materials identified within the scope of this survey were found in the areas detailed in the Executive Summary (section 1). The Control of Asbestos Regulations 2012 now takes a risk-based approach to which materials are considered licensable and those that aren't. Healthy Buildings International have made a judgement on whether the asbestos containing materials identified within this report are deemed licensable or non-licensable as defined in The Control of Asbestos Regulations, 2012. These views should be taken for guidance purposes only and it must be borne in mind that the revised regulations now take a risk-based approach when assessing whether or not Asbestos Containing Materials are considered licensable. Hence, suitable risk assessments should be undertaken prior to any removal works, with a decision made on whether the materials are considered licensable or not based on the outcome of the risk assessment. This must take into account issues such as control measures in place, the use of power tools, and techniques used for removal. This must also assess whether works are considered to be of a low intensity and sporadic exposure nature (whether control limits are likely to be exceeded).

9.4 The ACoP states that "Due to the relative ease with which fibres can be released when working with asbestos insulation and insulating board, in most circumstances work with these materials should only be carried out by those holding a license". Any licensable work on asbestos containing materials must be notified to the HSE. We would advise that wherever possible an HSE licensed contractor be employed to undertake any work on asbestos containing materials.

RECOMMENDATIONS

9.5 Should a decision be reached to not use an HSE licensed contractor for works on the asbestos containing materials identified in this survey (not considered licensable) all works undertaken upon these materials must be undertaken in accordance with the Control of Asbestos Regulations 2012. Any works on these materials must be undertaken by parties demonstrating suitable experience of working with asbestos containing materials. As a part of this, such parties must provide suitable risk assessment, method statements, with standards as a minimum meeting HSE best practice (As detailed in "Introduction to asbestos essentials; Comprehensive guidance on working with asbestos in building and allied trades - HSG213" and "Asbestos essentials task manual: Task guidance sheets for the building and allied trades – HSG 210"). The Control of Asbestos Regulations 2012 now requires some non-licensable work to be notified to the HSE, based on the risk assessment.

9.6 This investigation was carried out in a professional manner by experienced personnel. The investigation was as extensive as possible, with destructive inspection techniques applied where necessary and samples taken even in normally inaccessible locations. None-the-less it should be recognised that the process of demolition may reveal materials which were otherwise not accessible due to structural or other constraints and of which we were unaware and prudent action should be applied accordingly.

APPENDIX 1

10 Appendix 1 - General Background Information

Asbestos is a general term covering several fibrous mineral silicates. The general properties of these materials are that they are chemically inert and are insoluble in water and other solvents. Asbestos fibres are not affected by heat or chemicals and do not conduct electricity. For these reasons, together with the resilience and strength of the fibres, asbestos has been widely used in industry for a whole range of applications.

Asbestos can be divided into two main groups, amphibole and serpentine. **Chrysotile**, or white asbestos as it is sometimes known is a serpentine asbestos, so called because the fibres are snake-like in appearance. Chrysotile is significantly different in composition and is noticeably softer and more flexible than other kinds and for this reason found widespread use and once accounted for 95% of all asbestos used worldwide. The two other commonly found forms of asbestos, **Crocidolite** (blue asbestos) and **Amosite** (brown asbestos) are known as amphiboles. The fibres are more needle-like in nature than Chrysotile. There are three other, less common forms occasionally found. These are Tremolite, Actinolite and Anthrophylite.

Asbestos was widely used in the last century up to around the 1970s, with peak usage occurring in the 1960s and mid 1970s, with approximately 6 million tonnes of asbestos, mainly Chrysotile, being imported since 1900.

The use and importation of asbestos has been slowly phased out since the mid 1970s, with the application of sprayed asbestos ceasing in 1974. The use of asbestos-reinforced insulating boards was phased out in 1980 while the importation, use in manufacture and marketing of Amosite and Crocidolite and products containing them, and the installation of asbestos materials for thermal insulation has been prohibited in the UK since 1986. The importation and use of Chrysotile in the UK was banned in November 1999.

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Asbestos becomes potentially problematic to health when it is inhaled in fibrous form. Fibres of respirable size (those that are in the size range that can be drawn directly into a person's lungs during normal breathing activity) remain embedded in the lungs and are not easily metabolised. Asbestos fibres have a much smaller diameter than other fibres commonly used in industry (<1µm for asbestos compared with 1-10µm for man-made mineral fibre wools) and are therefore more readily drawn directly down into a persons lungs. Furthermore, unlike other fibrous material used in industry which tend to break transversely, asbestos fibres break down longitudinally, into finer and finer fibres, therefore increasing the overall number of fibres present in the lungs. In the case of Chrysotile fibres however, magnesium is slowly leached from the fibres in the lung, causing eventual fibre breakdown. For this reason Chrysotile fibres are treated differently to other asbestos fibres for the purposes of establishing airborne limits and risk factors. Inhalation of all types of asbestos fibres may lead to lung fibrosis (often known as asbestosis) which is characterised by the on-set of breathlessness and cough. Exposure to respirable asbestos fibre is also associated with lung cancer, usually after a time-lag of many years and mesothelioma, a cancer of the inner lining of the chest or the abdominal wall.

APPENDIX 2

11 Appendix 2 - Standards and Abbreviations

The following terms are used to indicate the proportion of asbestos material present in the samples analysed:

CAR:	Control of Asbestos Regulations 2012.
ACoP L143:	Approved Code of Practice L143: Work With Materials Containing Asbestos
HSG 264:	Asbestos: The Survey Guide 2010
EH 40:	HSE's Guidance Note EH 40; Occupational Exposure Limits 2000
HSG 213:	Introduction to Asbestos Essentials; Comprehensive Guidance on Working With Asbestos in Building and Allied Trades 2001
HSG 210:	Asbestos Essentials: A task manual for building, maintenance and allied trades on non-licensed asbestos work. 2nd Ed. 2008
HSG 248:	Asbestos: The analysts' guide for sampling analysis and clearance procedures 2005
HSG 227:	A Comprehensive Guide to Managing Asbestos in Premises 2002
RIDDOR:	Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995
CDM:	Construction (Design and Management) Regulations 2007
HSWA:	Health & Safety at Work Act 1974
MHSWR:	Management of Health & Safety at Work Regulations 1999
HWR:	Hazardous Waste Regulations 2005
HSE:	Health and Safety Executive
HSC:	Health and Safety Commission

APPENDIX 2

Other common scientific abbreviations and terms are used in this report and their full forms or meanings are given below:

ACM	Asbestos containing material
AIB	Asbestos insulation board
l/s:	litres per second
WEL:	Workplace Exposure Limit
µg/m^3:	micrograms per cubic metre
mg/m^3:	milligrammes per cubic metre
N/A:	Not Applicable
Presumed (to contain asbestos):	A material for which there is insufficient evidence that it is not an ACM.
Strongly presumed (to contain asbestos):	A material believed to contain asbestos, but for which laboratory analysis has not been undertaken to confirm this.
TWA:	Time Weighted Average
f/ml:	Fibres (of asbestos) per millilitre of air
ppm:	parts per million
≥	Greater than or equal to
≤	Less than or equal to

APPENDIX 2

HSG 264 Asbestos: The Survey Guide Estimated Asbestos Contents

The following estimated asbestos contents are taken from the HSE document HSG 264 Asbestos: The Survey Guide. These should be used for reference only and it should be recognised that any of the products listed may deviate from these levels due other factors such as operational use, or production.

Material	**Typical Asbestos Content (as per HSG 264 Asbestos: The Survey Guide)**
Loose Insulation	Up to 100% asbestos
Spray Coating	55-85% asbestos
Thermal Insulation	6-85% asbestos
Textiles/Papers/Ropes	Up to 100% asbestos
Millboard	37-97% asbestos
Insulating Board (Older and Marine Boards)	15-25% asbestos Up to 40% asbestos
Cement Profiled Sheets	10-15% asbestos
Textured Coatings	3-5% asbestos
Bitumen Products	Usually 8% asbestos
Thermoplastic Floor Tiles	Up to 25% asbestos
PVC Vinyl Floor Tiles	Up to 7% asbestos
Magnesium Oxychloride Flooring	Around 2% asbestos
Reinforced PVC	1-10% asbestos
Reinforced Plastic	1-10% asbestos
Reinforced Resin	20-50% asbestos

APPENDIX 3

12 Appendix 3 – Bulk Sample Laboratory Certificates

APPENDIX 3

CERTIFICATE OF ANALYSIS

Asbestos Fibre Identification in Bulk Sample

Report No	BH25052	Page 1 of 10	
Client Name :	Healthy Buildings International Evans Business Centre Monckton Road Wakefield West Yorkshire WF2 7AS	**Site Ref :**	Job No W13-00415
Sample Receive	22/02/13	**Issue Date**	28/02/2013
Order Placed By	S Walker	**Authorised Signatory :**	
Sampled By :	The Client		Jane Flegg Laboratory Supervisor

Opinions and interpretations including the sample reference are outside the scope of UKAS accreditation

Lab Ref.	Sample Reference	Analysis Result	Analyst
602/287	#1 - Room A417, corridor on 4F - Insulating board to face of riser.	No asbestos detected	Karen Steer
602/288	#2 - Room A408, 4F classroom - Bitumen DPC.	Chrysotile	Karen Steer
602/289	#3 - Riser R2 - Cement flue pipe.	Chrysotile Amosite	Karen Steer
602/290	#4 - Room LF1, lift shaft - DPC within walls of shaft on basement pit level.	Chrysotile	Karen Steer
602/291	#5 - Room A401, 4F classroom - Brown floor tiles.	Chrysotile	Karen Steer

TEST NOTES : The test method is as described in the in-house method (Appendix 7, Quality Manual), based on HSG 248. "Crocidolite", "amosite" and "chrysotile" are more commonly known as "blue", "brown" and "white" asbestos respectively. "Actinolite", "anthophylite" and "tremolite" are other rarer forms of asbestos.

Bradley Environmental Consultants Limited is not responsible for sampling errors where the sample is provided by yourselves.

Parkway House
Wakefield Road
Ossett
WF5 9JD
Tel: 01924 274777 Fax: 01924 283620
Email: laboratory@bradley-enviro.co.uk

Registered Office:
Bradley Environmental Consultants Limited, 20 Stourbridge Road, Halesowen, West Midlands, B63 3US. Registered in England No. 2573757

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CERTIFICATE OF ANALYSIS
Asbestos Fibre Identification in Bulk Sample

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Lab Ref.	Sample Reference	Analysis Result	Analyst
602/292	#6 - Room A417, 4F corridor - Textile fibre blanket above stair door.	Chrysotile	Karen Steer
602/293	#7 - Room A413, 4F classroom - Dark grey floor tiles.	Chrysotile	Karen Steer
602/294	#8 - Room A410, 4F tank room - Cement flue pipe.	Chrysotile Amosite	Karen Steer
602/295	#9 - Room A402, 4F classroom - DPC under window sills.	Chrysotile	Karen Steer
602/296	#10 - Room R5, service riser coming off 4F tank room - Paper lining to pipework.	Chrysotile	Karen Steer
602/297	#11 - Room LM1, external soffits of lift motor room - Insulating board.	Chrysotile Crocidolite	Karen Steer
602/298	#12 - RF1, main A block flat roof - Cement debris on roof.	Chrysotile	Karen Steer
602/299	#13 - FR1, main A block flat roof - Cement cowl to pipe on roof.	Chrysotile Amosite	Karen Steer

TEST NOTES : The test method is as described in the in-house method (Appendix 7, Quality Manual), based on HSG 248. "Crocidolite", "amosite" and "chrysotile" are more commonly known as "blue", "brown" and "white" asbestos respectively. "Actinolite", "anthophylite" and "tremolite" are other rarer forms of asbestos.

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Parkway House
Wakefield Road
Ossett
WF5 9JD
Tel: 01924 274777 Fax: 01924 283620
Email: laboratory@bradley-enviro.co.uk

Registered Office:
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CERTIFICATE OF ANALYSIS
Asbestos Fibre Identification in Bulk Sample

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Lab Ref.	Sample Reference	Analysis Result	Analyst
602/300	#14 - Room LM1, lift motor room - Bitumen felt upstand to step.	Chrysotile	Karen Steer
602/301	#15 - Room LM1, lift motor room - Bitumen adhesive on floor.	No asbestos detected	Karen Steer
602/302	#16 - Room A306, 3F lab - Bitumen adhesive.	No asbestos detected	Karen Steer
602/303	#17 - Room A306, 3F lab - Textile rope door seals to mobile desk top ovens.	Chrysotile	Karen Steer
602/304	#18 - Room A306, 3F lab - Cement door panel.	Chrysotile	Karen Steer
602/305	#19 - Room A306, 3F lab - Bitumen damper pad.	No asbestos detected	Karen Steer
602/306	#20 - Room A306, 3F lab - Cement mats.	Chrysotile	Karen Steer
602/307	#21 - Room R2, service riser GF-4F - Paper lining debris within riser.	Chrysotile	Karen Steer

TEST NOTES : The test method is as described in the in-house method (Appendix 7, Quality Manual), based on HSG 248. "Crocidolite", "amosite" and "chrysotile" are more commonly known as "blue", "brown" and "white" asbestos respectively. "Actinolite", "anthophylite" and "tremolite" are other rarer forms of asbestos.

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Parkway House
Wakefield Road
Ossett
WF5 9JD
Tel: 01924 274777 Fax: 01924 283620
Email: laboratory@bradley-enviro.co.uk

Registered Office:
Bradley Environmental Consultants Limited, 20 Stourbridge Road, Halesowen, West Midlands, B63 3US. Registered in England No. 2573757

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CERTIFICATE OF ANALYSIS

Asbestos Fibre Identification in Bulk Sample

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Lab Ref.	Sample Reference	Analysis Result	Analyst
602/308	#22 - Room R2, service riser GF-4F - Paper lining to MMMF pipe insulatuion.	Chrysotile	Karen Steer
602/309	#23 - Service riser R3 - Paper liningt o MMMF pipe insulation.	Chrysotile	Karen Steer
602/310	#24 - GF lobby landing to stairs ST2 - Bitumen expansion joint.	No asbestos detected	Karen Steer
602/311	#25 - GF kitchen - Bitumen damper pads to prep tables.	Chrysotile	Karen Steer
602/312	#26 - GF kitchen room S1, store - Cream tiles with bitumen adhesive.	Chrysotile	Karen Steer
602/313	#27 - GF food court ceiling void - Insulation board debris to ceiling beams.	Chrysotile	Karen Steer
602/314	#28 - GF food court ceiling void above columns - Insulating board debris.	Chrysotile	Karen Steer
602/315	#29 - GF food court - Bitumen rock ash felt.	No asbestos detected	Karen Steer

TEST NOTES : The test method is as described in the in-house method (Appendix 7, Quality Manual), based on HSG 248. "Crocidolite", "amosite" and "chrysotile" are more commonly known as "blue", "brown" and "white" asbestos respectively. "Actinolite", "anthophylite" and "tremolite" are other rarer forms of asbestos.

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Parkway House
Wakefield Road
Ossett
WF5 9JD
Tel: 01924 274777 Fax: 01924 283620
Email: laboratory@bradley-enviro.co.uk

1155

Registered Office:
Bradley Environmental Consultants Limited, 20 Stourbridge Road, Halesowen, West Midlands, B63 3US. Registered in England No. 2573757

APPENDIX 3

APPENDIX 3

CERTIFICATE OF ANALYSIS
Asbestos Fibre Identification in Bulk Sample

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Lab Ref.	Sample Reference	Analysis Result	Analyst
602/316	#30 - GF food court - Bitumen adhesive under timber flooring.	No asbestos detected	Karen Steer
602/317	#31 - Room 308, 3F classroom - Light beige floor tiles.	Chrysotile	Karen Steer
602/318	#32 - Room R1, 2F riser/cupboard - Teal floor tiles.	No asbestos detected	Karen Steer
602/319	#33 - Room R1, 3F riser/cupboard - Floor tiles.	No asbestos detected	Karen Steer
602/320	#34 - Room A330, 3F corridor - Brown/beige floor tiles.	No asbestos detected	Karen Steer
602/321	#35 - Room A309, 3F prep room - Dark green floor tiles.	No asbestos detected	Karen Steer
602/322	#36 - Room R2, 3F riser - Floor tiles in doorway.	No asbestos detected	Karen Steer
602/323	#37 - Room A330, 3F corridor ceiling void - Textile fire blanket.	Chrysotile	Karen Steer

TEST NOTES : The test method is as described in the in-house method (Appendix 7, Quality Manual), based on HSG 248. "Crocidolite", "amosite" and "chrysotile" are more commonly known as "blue", "brown" and "white" asbestos respectively. "Actinolite", "anthophylite" and "tremolite" are other rarer forms of asbestos.

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Parkway House
Wakefield Road
Ossett
WF5 9JD
Tel: 01924 274777 Fax: 01924 283620
Email: laboratory@bradley-enviro.co.uk

Registered Office:
Bradley Environmental Consultants Limited, 20 Stourbridge Road, Halesowen, West Midlands, B63 3US. Registered in England No. 2573757

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CERTIFICATE OF ANALYSIS

Asbestos Fibre Identification in Bulk Sample

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Lab Ref.	Sample Reference	Analysis Result	Analyst
602/324	#38 - Room A330, 3F ceiling void corridor - Paper lining to pipework.	Chrysotile	Karen Steer
602/325	#39 - Room A302, 3F labs - Bitumen damper pad beneath sink.	No asbestos detected	Allison Shaw
602/326	#40 - Room A330, 3F corridor ceiling void - Paper lining to pipework.	Chrysotile	Allison Shaw
602/327	#41 - Room A330, 3F corridor ceiling void - Paper debris within void.	Chrysotile	Allison Shaw
602/328	#42 - Room R3, GF-4F service riser - Paper lining debris within riser.	Chrysotile	Allison Shaw
602/329	#43 - Room A330B, 3F corridor - Taupe floor tiles.	Chrysotile	Allison Shaw
602/330	#44 - Room A320, 3F classroom - Grey floor tiles.	Chrysotile	Allison Shaw
602/331	#45 - Room M1, 3F female WC - Mastic seal to skylights.	Chrysotile	Allison Shaw

TEST NOTES : The test method is as described in the in-house method (Appendix 7, Quality Manual), based on HSG 248. "Crocidolite", "amosite" and "chrysotile" are more commonly known as "blue", "brown" and "white" asbestos respectively. "Actinolite", "anthophylite" and "tremolite" are other rarer forms of asbestos.

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Parkway House
Wakefield Road
Ossett
WF5 9JD
Tel: 01924 274777 Fax: 01924 283620
Email: laboratory@bradley-enviro.co.uk

atac UKAS TESTING

Registered Office:
Bradley Environmental Consultants Limited, 20 Stourbridge Road, Halesowen, West Midlands, B63 3US. Registered in England No. 2573757

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CERTIFICATE OF ANALYSIS

Asbestos Fibre Identification in Bulk Sample

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Lab Ref.	Sample Reference	Analysis Result	Analyst
602/332	#46 - Service riser R7 - Cement flue pipe.	Amosite Chrysotile	Allison Shaw
602/333	#47 - Service riser R7 3F - Mastic gasket to pipe.	Amosite Chrysotile	Allison Shaw
602/334	#48 - Room 218 2F - Floor tiles.	Chrysotile	Allison Shaw
602/335	#49 - Room A210, 2F office - Red floor tiles.	No asbestos detected	Allison Shaw
602/336	#50 - Room A202, 2F staff room - Bitumen to parquet flooring.	No asbestos detected	Allison Shaw
602/337	#51 - GF ST1/GF reception - Asbestos insulation board.	Amosite Chrysotile	Allison Shaw
602/338	#52 - GF room C1 corridor - Grey floor tiles.	Chrysotile	Allison Shaw
602/339	#53 - GF room C1 corridor - Cream floor tiles.	Chrysotile	Allison Shaw

TEST NOTES : The test method is as described in the in-house method (Appendix 7, Quality Manual), based on HSG 248. "Crocidolite", "amosite" and "chrysotile" are more commonly known as "blue", "brown" and "white" asbestos respectively. "Actinolite", "anthophylite" and "tremolite" are other rarer forms of asbestos.

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Parkway House
Wakefield Road
Ossett
WF5 9JD
Tel: 01924 274777 Fax: 01924 283620
Email: laboratory@bradley-enviro.co.uk

Registered Office:
Bradley Environmental Consultants Limited, 20 Stourbridge Road, Halesowen, West Midlands, B63 3US. Registered in England No. 2573757

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CERTIFICATE OF ANALYSIS

Asbestos Fibre Identification in Bulk Sample

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Lab Ref.	Sample Reference	Analysis Result	Analyst
602/340	#54 - GF room C1 corridor - Red floor tiles.	Chrysotile	Allison Shaw
602/341	#55 - GF room 2h female WC - Bitumen adhesive under lino.	Chrysotile	Allison Shaw
602/342	#56 - GF room 009 - Bitumen adhesive under timber flooring.	No asbestos detected	Allison Shaw
602/343	#57 - GF R4 riser - Paper lining to pipe.	Chrysotile	Allison Shaw
602/344	#58 - GF R4 riser - Paper debris in trench.	Chrysotile	Allison Shaw
602/345	#59 - Room A230, 2F corridor ceiling void - Textile fire curtain.	Chrysotile	Allison Shaw
602/346	#60 - Room A230, 2F corridor ceiling void - Paper lining to pipe insulation.	Chrysotile	Allison Shaw
602/347	#61 - Room A205, 2F office bottom shelf to fume cupboard F1 - Cement panel.	Chrysotile	Allison Shaw

TEST NOTES : The test method is as described in the in-house method (Appendix 7, Quality Manual), based on HSG 248. "Crocidolite", "amosite" and "chrysotile" are more commonly known as "blue", "brown" and "white" asbestos respectively. "Actinolite", "anthophylite" and "tremolite" are other rarer forms of asbestos.

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Parkway House
Wakefield Road
Ossett
WF5 9JD
Tel: 01924 274777 Fax: 01924 283620
Email: laboratory@bradley-enviro.co.uk

atac UKAS TESTING 1155

Registered Office:
Bradley Environmental Consultants Limited, 20 Stourbridge Road, Halesowen, West Midlands, B63 3US. Registered in England No. 2573757

APPENDIX 3

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CERTIFICATE OF ANALYSIS
Asbestos Fibre Identification in Bulk Sample

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Lab Ref.	Sample Reference	Analysis Result	Analyst
602/348	#62 - Room A205, 2F office top shelf to fume cupboard F1 - Insulating board.	Amosite Chrysotile	Allison Shaw
602/349	#63 - Room A205, 2F office bottom shelf to fume cupboard F2 - Cement panel.	Chrysotile	Allison Shaw
602/350	#64 - Room A205, 2F office top shelf to fume cupboard F2 - Cement panel.	Chrysotile	Allison Shaw
602/351	#65 - Room V1 4F wall void - Insulating board debris within void.	Crocidolite Chrysotile	Allison Shaw
602/352	#66 - Room V1, 4F wall void - Bitumen felt.	No asbestos detected	Allison Shaw
602/353	#67 - Room A150a, 1F corridor lift lobby - Bitumen adhesive under timber flooring.	No asbestos detected	Allison Shaw
602/354	#68 - Room A160-A162, 1F offices - Blue floor tiles under carpet.	Chrysotile	Allison Shaw
602/355	#69 - Room A150a, 1F corridor ceiling void - Paper lining to pipe insulation.	Chrysotile	Allison Shaw

TEST NOTES : The test method is as described in the in-house method (Appendix 7, Quality Manual), based on HSG 248. "Crocidolite", "amosite" and "chrysotile" are more commonly known as "blue", "brown" and "white" asbestos respectively. "Actinolite", "anthophylite" and "tremolite" are other rarer forms of asbestos.

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Parkway House
Wakefield Road
Ossett
WF5 9JD
Tel: 01924 274777 Fax: 01924 283620
Email: laboratory@bradley-enviro.co.uk

atac UKAS TESTING 1455

Registered Office:
Bradley Environmental Consultants Limited, 20 Stourbridge Road, Halesowen, West Midlands, B63 3US. Registered in England No. 2573757

APPENDIX 3

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February 2013 **150**

CERTIFICATE OF ANALYSIS
Asbestos Fibre Identification in Bulk Sample

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Lab Ref.	Sample Reference	Analysis Result	Analyst
602/356	#70 - Room A150a & A150, 1F ceiling void - Textile fire break.	Chrysotile	Allison Shaw
602/357	#71 - Room A114, 1F classroom ceiling void - Insulating board.	No asbestos detected	Allison Shaw
602/358	#72 - Room R6, GF-4F service riser - Insulating board.	No asbestos detected	Allison Shaw
602/359	#73 - Room R4, GF-4F service riser - Insulating board door lining to GF entrance door.	No asbestos detected	Allison Shaw

TEST NOTES : The test method is as described in the in-house method (Appendix 7, Quality Manual), based on HSG 248. "Crocidolite", "amosite" and "chrysotile" are more commonly known as "blue", "brown" and "white" asbestos respectively. "Actinolite", "anthophylite" and "tremolite" are other rarer forms of asbestos.

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Parkway House
Wakefield Road
Ossett
WF5 9JD
Tel: 01924 274777 Fax: 01924 283620
Email: laboratory@bradley-enviro.co.uk

t t55

Registered Office:
Bradley Environmental Consultants Limited, 20 Stourbridge Road, Halesowen, West Midlands, B63 3US. Registered in England No. 2573757

APPENDIX 4

13 Appendix 4 – Reassurance Inspection

Reassurance air tests were carried out and these confirm the area was safe for re-occupation:

APPENDIX 5

14 Appendix 5 – Areas Surveyed Data

Room/ Location	Area	Item	Material
A230	2nd Floor Ceiling Void	Pipe Insulation Lining	Paper
A230	2nd Floor Corridor Ceiling Void	Fire Break Above Corridor Double Doors	Textile
		Fire Break Above Far End Stairwell Double Doors	Textile
		Fire Break Above Stairwell Double Doors	Textile
A306	3rd Floor Lab	Ceiling	Modern Tiles
		Doors and Finishes	Timber / Wood
		Floor Adhesive Under Timber	Bitumen
		Walls	Plaster
		Window Surrounds and Sills	Plastic & UPVC
A406	4th Floor Classroom	Bitumen Felt to external side walls within ceiling void	Bitumen
A411	4th Staff Room	Above Ceiling Tiles	Concrete
		Ceiling	Modern Tiles
		Doors and Finishes	Timber / Wood
		Floor	Concrete, Carpets,
		Walls	Plaster
A417	4th Floor Corridor	Face Boarding to Riser R1 Outside Room A408	Insulating Board
		Face Boarding to Riser R2 Outside Room A406	Insulating Board
CV1	Ceiling Void Above GF Reception and offices	Debris	Insulating Board
FC1	GF Food Court	Ceiling Void Main Beams	Insulating Board
		Ceiling Void Tops of Beams	Insulating Board
		Floor Under Modern Vinyl	Bitumen Adhesive Under Timber Floor

APPENDIX 5

Room/ Location	Area	Item	Material
		Floor Under Modern Vinyl	Bitumen Rock Ash Felt
K1	GF Kitchen	Above Ceiling Tiles	Concrete
		Ceiling	Modern Tiles
		Damper Pads to Prep Tables	Bitumen
		Doors and Finishes	Timber / Wood
		Floor	Ceramic
LF1	Lift Shaft	Doors and Finishes	Modern
		DPC Within brick work on basement pit level	Bitumen
		Walls	Brick
LM1	Lift Motor Room	Brake Pads On Lift Motor	Cement
		Ceiling	Timber / Wood
		Ceiling	Timber / Wood
		Ceiling	Timber / Wood
		Ceiling	Timber / Wood
		Doors and Finishes	Timber / Wood
		Doors and Finishes	Timber / Wood
		Doors and Finishes	Timber / Wood
		Doors and Finishes	Timber / Wood
		Electrics	Modern
		Electrics	Modern
		Electrics	Modern
		Electrics	Modern
		Floor	Concrete
		Floor	Concrete
		Floor	Concrete
		Floor	Concrete
		Floor Adhesive Residue	Bitumen

APPENDIX 5

Room/ Location	Area	Item	Material
		Soffit Boards to External Areas of Lift Motor Room	Insulating Board
		Step Flashing to Roof Access Door	Bitumen Felt
		Walls	Brick
		Walls	Brick
		Walls	Brick
		Walls	Brick
R2	4th Floor Corridor Service Riser	Flue Pipe	Cement
R2	Service Riser GF-4F	Debris Within Riser	Paper
		Pipe Insulation Lining	Paper
R3	Service Riser GF-4F	Pipe Insulation Lining	Paper
R4	GF-4th Floor Service Riser	Pipe Insulation Lining	Paper
		Pipe Insulation Lining Debris	Paper
R4	Service Riser Next To Lift Shaft	Ceiling	Concrete
		Lining to Pipe Insulation	Paper
		Soil Pipe Seals	Modern Seal
		Walls	Brick
R5	4th Floor Tank Room Riser In Corner	Pipe work Insulation Lining	Paper
RF1	Main Roof of A Block	Debris on Roof	Cement
		Flue Pipe Cowl	Cement
Room 001 & 001a	GF Principal Office	Bitumen adhesive to Parquet floor	Bitumen
Room 2h, 2g, 2j	GF Toilets	Bitumen adhesive under lino	Bitumen
Room A101a, A102,A102a,A103	1st Floor Classrooms	Floor Under Carpets & Timber	Bitumen Adhesive
Room A110-A118	1st Floor Extension Offices	Above Ceiling Tiles	Concrete
		Boxing	Timber / Wood / Concrete

APPENDIX 5

Room/ Location	Area	Item	Material
		Doors and Finishes	Timber / Wood
		Floor	Concrete, Carpets
		Skirting	Timber / Wood
		Walls	Plaster / Plasterboard
Room A114	1st Floor Classroom	Ceiling Void Fire Boarding	Insulating Board
Room A116	1st Floor Classroom	Floor Under Carpets & Timber	Bitumen Adhesive
Room A116a	1st Floor Server Room	Floor Under Carpets & Timber	Bitumen Adhesive
Room A117	1st Floor Classroom	Floor Under Carpets & Timber	Bitumen Adhesive
Room A150	1st Floor Ceiling Voids	Fire Blankets in Ceil	Textile
Room A150a	1st Floor Corridor Ceiling Void	Pipe Insulation Lining	Paper
Room A150a	1st Floor Lift Lobby Corridor	Floor Under Carpets & Timber	Bitumen Adhesive
Room A150a & A150	1st Floor Ceiling Voids	Fire Blankets	Textile
Room A160-A162	1st Floor Offices	Floor Under Carpets & Timber	Blue Floor Tiles
Room A205	2nd Floor Office	Bottom Shelf to Fume Cupboard F1	Cement
		Bottom Shelf to Fume Cupboard F2	Cement
		Ceiling	Suspended Tiles
		Ceiling	Suspended Tiles
		Ceiling	Suspended Tiles
		Ceiling	Suspended Tiles
		Doors and Finishes	Timber / Wood
		Doors and Finishes	Timber / Wood
		Doors and Finishes	Timber / Wood
		Doors and Finishes	Timber / Wood
		Fire Blanket Above Ceiling	Textile

APPENDIX 5

Room/ Location	Area	Item	Material
		Floor	Carpets & Modern Vinyl Tiles
		Floor	Carpets & Modern Vinyl Tiles
		Floor	Carpets & Modern Vinyl Tiles
		Floor	Carpets & Modern Vinyl Tiles
		Skirting	Timber / Wood
		Skirting	Timber / Wood
		Skirting	Timber / Wood
		Skirting	Timber / Wood
		Top Shelf to Fume Cupboard F1	Insulating Board
		Top Shelf to Fume Cupboard F2	Cement
		Walls	Plaster / Plasterboard
		Walls	Plaster / Plasterboard
		Walls	Plaster / Plasterboard
		Walls	Plaster / Plasterboard
		Window Surrounds and Sills	UPVC / Timber
		Window Surrounds and Sills	UPVC / Timber
		Window Surrounds and Sills	UPVC / Timber
		Window Surrounds and Sills	UPVC / Timber
Room A210	2nd Floor Office	Red Floor Tiles	Vinyl
Room A213	2nd Floor Server Room	Floor Tiles	Vinyl
Room A214a	2nd Floor Kitchen/Store	Floor Tiles	Vinyl
Room A215	2nd Floor Meeting Room	Floor Tiles	Vinyl
Room A218	2nd Floor Office	Floor Tiles	Vinyl
Room A230a	2nd Floor Corridor	Floor Tiles	Vinyl

APPENDIX 5

Room/ Location	Area	Item	Material
Room A306	3rd Floor Lab	Damper Pad to Stainless Steel	Bitumen
		Door Lining Panels to Mobile Desk Top Ovens	Cement
		Rope Seals to Mobile Desk Top Ovens	Textile
		Science Lab Mats	Cement
Room A309	3rd Floor Prep Room	Dark Green Floor Tiles	Vinyl
Room A330	3rd Floor Corridor	Brown/Beige Floor Tiles	Vinyl
Room A330	3rd Floor Corridor Ceiling Void	Fire Blanket Above Double Doors to Stairwell ST2	Textile
		Fire Blanket Above Double Doors to Stairwell ST2	Textile
		Pipe work Insulation Lining	Paper
		Pipe work Insulation Lining	Paper
		Pipe work Insulation Lining	Paper Debris
Room A401	4th Floor Classroom	Ceiling	Plaster
		Doors and Finishes	Timber / Wood
		Floor Under Carpets	Brown Vinyl Tiles
		Walls	Plaster
Room A402	4th Floor Classroom	DPC Under Window Sills	Bitumen
Room A410	4th Floor Tank Room	Ceiling	Concrete
		Doors and Finishes	Timber / Wood
		Floor	Concrete
		Flue Pipe	Cement
		Silver Faced Pipe Lagging	Foam
		Tanks	Galvanised Steel
		Walls	Brick
Room A413	4th Floor Classroom	Ceiling	Plaster
		Doors and Finishes	Timber / Wood
		Floor	Dark Grey Vinyl Tiles
		Walls	Plaster

APPENDIX 5

Room/ Location	Area	Item	Material
Room A417	4th Floor Corridor	Ceiling	Modern Tiles
		Ceiling	Modern Tiles
		Doors and Finishes	Timber / Wood
		Doors and Finishes	Timber / Wood
		Fire Break Above Far End Double Doors to Stairs ST2	Textile
		Fire Break Above Middle Mains Double Doors to Stairs ST1	Textile
		Skirting	Timber / Wood
		Skirting	Timber / Wood
		Walls	Plaster
		Walls	Plaster
Room C1	GF Corridor	Cream Floor Tiles	Vinyl
		Grey Floor Tiles	Vinyl
		Red Floor Tiles	Vinyl
Room C2a	GF Finance Office	Grey Floor Tiles	Vinyl
Room M1	3rd Floor Female WC	Boxing	Timber / Wood
		Ceiling	Suspended Tiles
		Loft Hatch	Timber / Wood
		Seal to Skylights	Mastic
		Skirting	Timber / Wood
		Toilet Cistern	Ceramic
Room R1	3rd Floor Riser/Cupboard	Floor Tiles	Vinyl
		Teal Floor Tiles	Vinyl
Room R2	3rd Floor Riser	Floor Tiles	Vinyl
Room R3	Service Riser GF-4F	Pipe Insulation Lining	Paper Debris
Room R6	GF Service Riser Entrance Door	Door Lining	Insulating Board
Room R6	GF-1F Service Riser	Fire Break Boarding	Insulating Board
Room R7	Service Riser	Flue Pipe	Cement

APPENDIX 5

Room/ Location	Area	Item	Material
		Flue Pipe Joint Seal	Cement
Room V1	4th floor wall void	DPC	Bitumen Felt
Room WA009	GF Offices	Bitumen adhesive to Parquet floor	Bitumen
Rooms 313-322	3rd Floor Extension	Above Ceiling Tiles	Concrete
		Ceiling	Compressed Card suspended tiles
		Doors sills and Finishes	Timber / Wood
		Wall cavity	Plasterboard dry lining to brick then to UPVC
		Walls	Plastered Block
Rooms A101-A110	1st Floor Classrooms	Boxing	Timber / Wood
		Ceiling	Plaster, Modern Tiles
		Doors and Finishes	Timber / Wood
		Floor Finishes	Carpet
		Skirting	Timber / Wood
		Window Surrounds and Sills	UPVC / Timber
Rooms A201-204	2nd Floor Staff Rooms & Class rooms	Bitumen adhesive to parquet flooring	Bitumen
Rooms A212-219 & A230a	2F Extension	Above Ceiling Tiles	Concrete
		Ceiling	Compressed Card suspended ceiling
		Doors , sills and Finishes	Timber / Wood
		Floor	Timber or concrete
		Walls	Plastered block
Rooms A301, 302, 303, 304	3rd Floor Lab	Damper Pad Beneath Sink	Bitumen Felt
Rooms A301, 302, 308, 312	3rd Floor Labs	Light Beige Floor Tiles	Vinyl
Rooms A303, A304 & A304	3rd Floor Labs	Ceiling	Modern Tiles
		Doors and Finishes	Timber / Wood

APPENDIX 5

Room/ Location	Area	Item	Material
		Floor Adhesive Under Timber	Bitumen
		Walls	Plaster
		Window Surrounds and Sills	Plastic & UPVC
Rooms A320, 321, 322	3rd Floor Classroom & Offices	Grey Floor Tiles	Vinyl
Rooms A330b, 313-319, male & female WC	3rd Floor Classrooms, Corridors and Toilets	Taupe Floor Tiles	Vinyl
Rooms A402-A411	4th Floor Classrooms	Ceilings	Modern Suspended Tiles, Plaster
		Columns	Concrete
		Doors and Finishes	Timber / Wood
		Floors	Timber / Wood / Modern Vinyl / Carpet
		Skirting	Timber / Wood
		Window Surrounds and Sills	UPVC, Timber
Rooms ST1 & ST2	Middle & Far End Stairwells GF - 4F	Ceilings	Concrete, Plaster, Modern Tiles
		Doors and Finishes	Timber / Wood
		Floors	Modern Vinyl Floor Tiles
		Small Wall Lip Under Double Doors	Modern Fire Boarding
		Stair Nosing's	Modern
ST2	GF Lobby of Stairwell	Mable Floor Expansion Joint	Bitumen
V1	4th Floor Wall Void	Debris	Insulating Board

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